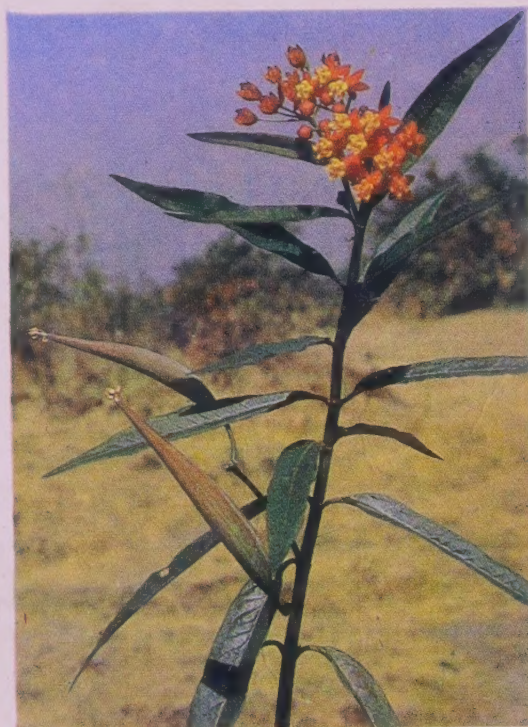


MEDICINAL PLANTS

BIBLIOGRAPHY OF CSIR CONTRIBUTIONS
1950—1987



1



2



3



4



Publications and Information Directorate
Hillside Road, New Delhi, INDIA

02264

Community Health Cell
Library and Documentation Unit
BANGALORE

B

326 V Main, I Block Koramangala

Bangalore - 560 034

THIS BOOK MUST BE RETURNED BY

THE DATE LAST STAMPED

[illegible]

MEDICINAL PLANTS
Bibliography of CSIR Contributions

Picture Credits:

	<i>Captions</i>	<i>Courtesy</i>
Front Cover	1. <i>Catharanthus roseus</i>	H P Sharma, CDRI
	2. <i>Asclepias curassavica</i>	B N Mehrotra, CDRI
	3. <i>Picrorhiza kurroa</i>	B N Mehrotra, CDRI
	4. <i>Costus speciosus</i>	B N Mehrotra, CDRI
Back Cover	5. <i>Adhatoda zeylanica</i>	H P Sharma, CDRI

Cover Design: Ali Kausar, CDRI

MEDICINAL PLANTS

Bibliography of CSIR Contributions

(1950-1987)



PUBLICATIONS & INFORMATION DIRECTORATE
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
NEW DELHI
1988

ISBN 81-85038-88-0

© 1988

PUBLICATIONS & INFORMATION DIRECTORATE, CSIR
HILLSIDE ROAD, NEW DELHI, INDIA

02264

COMMUNITY HEALTH CELL
326, V Main, I Block
Koramangala
Bangalore-560034
India

INTRODUCTION

As part of the National Science and Technology Missions to be taken up during the Seventh Plan, the Director General, Scientific & Industrial Research had identified several Thrust Areas for various CSIR Laboratories. Thrust Area 21 (TA₂₁) referred to "Wealth of India—Enumeration, Screening and Exploitation of Plants". Central Drug Research Institute (CDRI), Lucknow was the nodal agency for this Thrust Area with other plant-based laboratories and the Publications & Information Directorate as participating members. The basic objective of TA₂₁ was to expeditiously provide the latest information on economic plants to the Editors of the Wealth of India, the encyclopaedia on Indian Raw Materials, in order to make it comprehensive and also to speed up its revision, and to other Scientists in the country.

A meeting of the Project Co-ordinators of the different plant-based laboratories under CSIR was held on July 30-31, 1987 at CDRI, Lucknow to discuss the ongoing programmes and also to identify areas in plant-based research where co-ordination between or among the laboratories could be possible. Specific tasks were allotted to different laboratories and it was decided that all work falling under these areas should be well documented and made available to the Wealth of India project. PID was assigned the task of compiling a Bibliography of the work done on Medicinal Plants since 1950 by the various laboratories of CSIR. PID accordingly sent out requests to the concerned laboratories for the list of publications on medicinal plants since 1950. Six laboratories, namely, CDRI, Lucknow; Indian Institute of Chemical Biology (IICB), Calcutta; National Botanical Research Institute (NBRI), Lucknow; Regional Research Laboratory (RRL), Jammu; Regional Research Laboratory (RRL), Bhubaneswar; and Regional Research Laboratory (RRL), Jorhat responded with the required lists. NCL, Pune although not part of the Thrust Area, was also requested to provide a list since considerable work on natural products has been done there.

The bibliographies received were scanned by the Wealth of India staff, and the references arranged chronologically and alphabetically after the authors' names. The final list contains about 1800 references. The citations are given according to accepted international style with minor alterations meant to make them more easily understood. To maintain the identity of the laboratory which has contributed each paper, a system of code designating the different laboratories has been given. Thus, each reference has a marginal alphabet: A, denoting CDRI, Lucknow; B,

Editorial

Smt Kamala Ramachandran
Project Co-ordinator

Smt Santosh Mehtani
Dr (Smt) Raj Dulari Kak
Dr N.R. Mankad
Dr B. Subramahiam

Dr K.Y. Kavathekar
Dr (Smt) Sunita Garg
Smt Parmod Singla
Dr P.K. Panda

Production

Shri S.N. Saxena
Production Officer

Shri Radhe Shyam

Smt Supriya Gupta

1950

- G Bhasin M M, Gupta A S, Aggarwal J S: Chemical examination of the seeds of *Cucumis utilissimus* Roxb. *J sci industr Res*, **9B** (1950) 230.
- G Chakravarti K K, Dhar D C, Siddiqui S: Alkaloidal constituents of the bark of *Berberis aristata* (Rassaut). *J sci industr Res*, **9B** (1950) 142.
- G Chaudhary G R, Sharma V N, Siddiqui S: Chemical examination of archa (*Sonneratia acida* Linn.)—II. Studies in the constitution of archin and archinin. *J sci industr Res*, **9B** (1950) 142.
- G Chaudhary G R, Siddiqui S: The alkaloid of Indian Stephanias—I. Isolation of three crystalline alkaloids from the tubers of *Stephania glabra* Miers. *J sci industr Res*, **9B** (1950) 79.
- G Chaudhary G R, Siddiqui S: Chemical examination of archa (*Sonneratia acida* Linn.)—I. Isolation of three crystalline products from the wood. *J sci industr Res*, **9B** (1950) 118.
- G Salooja K C, Sharma V N, Siddiqui, S: Chemical examination of the roots of *Saussurea lappa* Clarke—I. On the reported isolation of the alkaloid 'Saussurine'. *J sci industr Res*, **9B** (1950) 1.

1951

- A Bhandari P R, Dhar M L, Sharma V N: Chemical constituents of the root bark of *Crataeva nurvala* Buch.-Ham. *J sci industr Res*, **10B** (1951) 195-96.
- G Bose J L, Siddiqui S: Studies in the constituents of chana (*Cicer arietinum* Linn.) IV, the identity of biochanin B & formononetin. *J sci industr Res*, **10B** (1951) 291.
- A Dhar D C, Dhar M L, Shrivastava D L: Chemical examination of the seed of *Emblica officinalis* Gaertn.: Part I—The fatty oil and its component fatty acids. *J sci industr Res*, **10B** (1951) 88-91.

1952

- A Bhattacharji S, Sharma V N, Dhar M L: Chemical examination of the roots of *Cissampelos pareira* Linn. *J sci industr Res*, **11B** (1952) 81-82.
- A Chaudhary G R, Sharma V N, Dhar M L: The alkaloids of *Stephania glabra* Miers—Identity of gindarine and gindarinine with tetrahydropalmatine and palmatine respectively. *J sci industr Res*, **11B** (1952) 337.
- A Gopalachari R, Dhar M L: Chemical examination of the seeds of *Achyranthes aspera* Linn. *J sci industr Res*, **11B** (1952) 209.
- G Gupta S C, Sharma V N, Aggarwal J S: Chemical examination of the seeds of *Mallotus philippensis* Muell. Arg. (Kamala)—II. Constitution of the unsaturated hydroxy acid isolated from the oil. *J sci industr Res*, **11B** (1952) 463.
- A Pradhan S N, Ray C, Varadan K S: Curariform substances from roots of *Cissampelos pareira* Linn. *J sci industr Res*, **21** (1952) 172.
- A Rao M R, Raja Rama, De N N: An antidiabetic principle from *Rivea cuneata* Wight. *Curr Sci*, **21** (1952) 69.
- A Rastogi R P, Sharma V N, Dhar M L: Chemical examination of *Ailanthus malabarica* DC. *J sci industr Res*, **11B** (1952) 124-25.

1953

- G Bhattacharji S, Mitra C R, Siddiqui S: Chemical examination of the trunk bark of nim (*Azadirachta indica* syn. *Melia azadirachta*). *J sci industr Res*, **12B** (1953) 154.
- G Chakravarti K K, Bhattacharya S C: Chemical examination of the oil of malar lemon grass (*Cymbopogon nardus* Rendle). *Perfum essent Oil Rec*, **46** (1953) 365.
- G Dalal S R, Sethna S, Shah R C: Chemical examination of the Indian medicinal plants—I. Investigation of *Swertia decussata*. Isolation of decussatin & swertinin. *J Indian chem Soc*, **30** (1953) 457.
- A De N N, Mukerji B: Effect of *Coccinia indica* Wight & Arn. on alloxan diabetes in rabbits (A preliminary note). *Indian J med Sci*, **7** (1953) 665-72.
- G Gupta S C, Gupta S S, Aggarwal J S: Chemical investigation of seeds of *Mallotus philippensis* Muell. Arg. (Kamala)—III. Constitution of Kamlolenic acid isolated from the oil. *J sci industr Res*, **12B** (1953) 240.
- G Mathur H H, Aggarwal J S: Component fatty acids of the drying oil from the seeds of *Trichosanthes dioica* Roxb. *J sci Industr Res*, **12B** (1953) 60.
- G Mitra C R, Rao P N, Siddiqui S: Chemical examination of the root bark of nim (*Azadirachta indica* syn. *Melia azadirachta*). *J sci industr Res*, **12B** (1953) 152.
- A Pradhan S N, De N N: Hayatin methiodide: a new curariform drug. *Brit J Pharmacol*, **8** (1953) 399-405.
- A Pradhan S N, Varadan K S, Ray C, De N N: Pharmacological investigations of chaksine, an alkaloid from *Cassia absus* Linn. *J sci industr Res*, **12B** (1953) 358-63.
- A Rastogi R P, Sharma V N, Dhar M L: Chemical examination of *Centipeda orbicularis* Lour. *J sci industr Res*, **12B** (1953) 332-33.

1954

- G Bhandari P P, Bose J I: Chemical examination of varuna (*Crataeva religiosa* Forst.) I. Crystalline constituents of stem bark. *J sci industr Res*, **13B** (1954) 773.
- C Chandra V: Vegetative propagation of *Rauvolfia serpentina* Benth. *J sci industr Res*, **12** (1954) 187.
- A Chatterji S K, Sharma V N, Dhar M L: Chemical examination of the root bark of *Melodinus monogynus* Roxb.: Part I. *J sci industr Res*, **13B** (1954) 546-49.
- A Chaudhry G R, Sharma V N, Dhar M L: Chemical examination of the roots of *Caesalpinia digyna* Rottler. *J sci industr Res*, **13B** (1954) 147-48.
- G Dutta N L: Sugar constituents of the saponin from Mahua oil cake (*Bassia latifolia*). *Curr Sci*, **23** (1954) 222.
- G Dutta N L: Uber die saponine aus *Balanites roxburghii* Linn. *Pharm Acta Helv*, **29** (1954) 260.
- G Dutta N L: Phytochemical study of the glycosides from *Sapindus trifoliatus* Linn. *J sci industr Res*, **13B** (1954) 885.
- G Gupta S C, Gupta S S, Aggarwal J S: The component acids of Kamala oil (*Mallotus philippensis* Muell. Arg.). *J Amer Oil Chem Soc*, **31** (1954) 287.
- A Khanna N M: Chemical examination of *Euphorbia acaulis* Roxb. *Indian J Pharm*, **16** (1954) 110-11.
- A Nayar S L: Poisonous seeds of India—Part I. *J Bombay nat Hist Soc*, **52** (1954) 88-105.
- A Nayar S L: Poisonous seeds of India—Part II. *J Bombay nat Hist Soc*, **52** (1954) 515-32.
- G Razdan R K, Bhattacharya S C: Sesquiterpenes from *Piper cubeba* Linn.—I. *Perfum essent Oil Rec*, **45** (1954) 181.
- G Sethi S C, Aggarwal J S: Component fatty acids of the oil from the seeds of *Benincasa cerifera* Savi. *J sci industr Res*, **13B** (1954) 853.
- A Sharma V N, Kohli J D, Mukerji B: Chemistry and pharmacology of rauvolfias. *J sci industr Res*, **13A** (1954) 261-72.

- G Subbaratnam A V: Untersuchungen über die Inhaltsstoffe der *Gloriosa superba* Linn. Teil, Inhaltsstoffe junger zarter Knollen. *Pharmazie*, **8** (1954) 1941.
- G Varma J P, Bhola Nath, Aggarwal J S: Studies on the fatty oil from the seeds of *Sterculia foetida* Linn. *Oil & Oilseeds J*, **7** No. (6) (1954) 10.

1955

- A Ajit Singh, Kohli J D, Parihar D B: Search for anthelmintics among indigenous remedies: 1—Action of acetyl saponin from *Anagallis arvensis* Linn. on annelids and helminths. *Indian J vet Sci*, **25** (1955) 25-29.
- A Bhattacharji S, Dhar M M, Dhar M L: Isolation of sarpagine from *Rauvolfia canescens* Linn. *J sci industr Res*, **14B** (1955) 310.
- A Bhattacharji S, Sharma V N, Dhar M L: Studies on the chemical constituents of the roots of *Cissampelos pareira* Linn. *Bull nat Inst Sci India*, No. 4, (1955) 39-46.
- A Boscott R J, Kar Amiya B: Paper chromatographic and biological properties of reserpine and related compounds. *Nature Lond*, **176** (1955) 1077-78.
- C Chandra V: Vegetative propagation of *Rauvolfia serpentina* Benth. *Sci & Cult*, **20** (1955) 554-55.
- C Chandra V: Cultivation of *Rauvolfia serpentina* Benth. *Sci & Cult*, **21** (1955) 601.
- C Chandra V: Studies on root development of *Rauvolfia serpentina* Benth. *J sci industr Res*, **14** (1955) 36.
- A Dhar M M, Bhattacharji S: A method for the estimation of reserpine in samples of *Rauvolfia* alkaloids. *J sci industr Res*, **14B** (1955) 276-78.
- A Dhar M M, Bhattacharji S, Dhar M L: Circular paper chromatography of *Rauvolfia* alkaloids. *J sci industr Res*, **14B** (1955) 672-73.
- A Dhar M M, Kohli J D, Srivastava S K: Studies on the metabolism of reserpine: Part I—Identification of metabolites. *J sci industr Res*, **14C** (1955) 179-81.
- A Kohli J D, Mukerji B: Comparative activity of reserpine and total alkaloids of *Rauvolfia*. *Curr Sci*, **24** (1955) 198-99.
- A Kohli J D, Mukerji B: Pharmacological activity of resinous residue of *Rauvolfia serpentina* Benth. *Bull nat Inst Sci India*, No. 4 (1955) 71-74.
- A Mukerji B: Indian indigenous drugs: Need for research. *Bull nat Inst Sci India*, No. 4 (1955) 1-14.
- A Mukerji B: Indian rauvolfias and their place in therapy. *J sci industr Res*, **14A** (Suppl.) (1955) 1-33.
- A Mukerji B, Mukerjea T D: Use of pyrethrum in insecticidal and related fields. *Bull nat Inst Sci India*, No. 4 (1955) 153-56.

- A Mukerji B, Ray G K, Dutta A T: The reaction of medicinal plants to ecological and physiological influences. *Bull nat Inst Sci India*, No. 10 (1955) 141-54.
- A Mukherjea T D: *Millettia pachycarpa* as an insecticide. *J sci industr Res*, **14C** (1955) 169-70.
- A Nayar S L: Vegetable insecticides. *Bull nat Inst Sci India*, No. 4 (1955) 137-45.
- A Rastogi R P, Sen A B, Dhar M L: Chemical examination of *Picrorhiza kurroa* Benth. Part III—Constitution of the bitter glucoside, kutkin. *Bull nat Inst Sci India*, No. 4 (1955) 47-57.
- A Rastogi R P, Sen A B, Dhar M L: Constitution of kutkin, the bitter glucoside of *Picrorhiza kurroa* Benth. *J sci industr Res*, **14B** (1955) 512-19.
- A Roy P K, Ray G K, Mukerji B: Biological assay of preparations of *Rauvolfia serpentina* Benth. for their hypopietic potency: A preliminary note. *Bull nat Inst Sci India*, No. 4 (1955) 69-70.
- A Sharma V N: Chemical examination of *Vitex peduncularis* Wall. *J sci industr Res*, **14B** (1955) 267-70.
- A Singh S N, Srivastava G S, Chandra V: Studies on the effect of some cultural treatments on the yield of *Plantago ovata* Forsk. *Agric Anim Husb*, **6** (1955) 29-32.
- A Subbaratnam A V: Chemical examination of *Gloriosa superba* Linn. *Bull nat Inst Sci India*, **4** (1955) 27.

1956

- A Ajit Singh, Kohli J D: A plea for research into indigenous drugs employed in veterinary practice. *Indian vet J*, **32** (1956) 271-80.
- A Ajit Singh, Chak I M: Inhibitory effect of 'Kamala' (*Mallotus phillippensis*) on succinic dehydrogenase of tapeworm (*Moniezia expansa*). *Indian J vet Sci*, **26** (1956) 31-34.
- G Balakrishnan V K, Razdan R K, Bhattacharya S C: Oil of *Zingiber zerumbet* Smith—I. Isolation of various constituents and characterisation of the monocyclic ketone zerumbone. *Perfum essent Oil Rec*, **47** (1956) 274.
- A Bhattacharji S, Dhar M M, Dhar M L: Raunescine—a subsidiary alkaloid from *Rauvolfia canescens* Linn. *J sci industr Res*, **15B** (1956) 506-09.
- G Bhattacharya S C: Constituents of *Centella asiatica*. III, Examination of the Indian variety. *J Indian chem Soc*, **33** (1956) 893.
- G Bhattacharya S C: Constituents of *Centella asiatica*. I, Examination of the Ceylonese variety. *J Indian chem Soc*, **33** (1956) 579.
- A Bhattacharji S, Sharma V N, Dhar M L: Chemical examination of the roots of *Cissampelos pareira* Linn. *J sci industr Res*, **15B** (1956) 363-68.
- C Chandra V: Studies on *Rauvolfia*—Part I. Propagation of *R. serpentina* Benth. *Indian J Pharm*, **18** (1956) 132-36.
- C Chandra V: Studies on *Rauvolfia*—Part V. *Alternaria* on *R. serpentina* Benth. *Indian J Pharm*, **18** (1956) 147.
- C Chandra V: Studies on *Rauvolfia serpentina* Benth. *J sci industr Res*, **15** (1956) 125-33.
- C Chandra V: Studies on *Rauvolfia*—Part IV. Root-knot disease of *R. serpentina* Benth. *Indian J Pharm*, **18** (1956) 146.
- C Chandra V: Studies on *Rauvolfia*—Part III. Morphological studies of *Rauvolfia serpentina* Benth. *Indian J Pharm*, **18** (1956) 140-46.
- C Chandra V: Studies on *Rauvolfia*—Part II. Preliminary studies on floral biology of *Rauvolfia serpentina* Benth. *Indian J Pharm*, **18** (1956) 136-40.
- C Chandra V: Abnormal plant of *Plantago ovata* Forsk. *Agric Anim Husb*, **6** (1956) 26.
- C Chandra V: Leaf spot disease of *Rauvolfia serpentina* Benth. *Sci & Cult*, **21** (1956) 208-10.

- C Chandra V: Inducing rooting in stem cuttings of *Rauvolfia canescens* L. *Sci & Cult*, **22** (1956) 101.
- C Chandra V: *Heterodora* sp. on *Psoralea corylifolia* L. *Sci & Cult*, **22** (1956) 35.
- C Chandra V: Occurrence of tricarpeal fruit of *Rauvolfia serpentina* Benth. *Sci & Cult*, **22** (1956) 181.
- C Chandra V, Srivastava G S: Root development studies of *Plantago ovata* Forsk. *Agric Anim Husband*, **6** (1956) 25-26.
- A Dhar D C, Shrivastava D L, Sreenivasaya M: Studies on *Emblia officinalis* Gaertn.: Part II—Chromatographic study of some constituents of Amla. *J sci industr Res*, **15C** (1956) 205-06.
- G Dhingra S N, Dhingra D R, Bhattacharya S C: Oil of *Eupatorium odoratum*. *Perfum essent Oil Rec*, **47** (1956) 312.
- G Dutta N L: Chemical investigation of *Entada scandens* Benth. *J sci industr Res*, **15B** (1956) 194.
- G Dutta N L: Chemical investigation of *Mundulea suberosa* Benth.—I. Isolation and characterisation of the active principle from the root bark. *J Indian chem Soc*, **33** (1956) 716.
- A Kar Amiya B, Boscott R J: Preliminary investigations on the influence of reserpine and lysergic acid diethylamide (LSD) on the uptake of ^{131}I by the thyroid of the rat. *Indian J Pharm*, **18** (1956) 296-300.
- A Kohli J D, Dhar M M, Srivastava S K: Studies on the metabolism of reserpine: Part II—Distribution and excretion in rats. *J sci industr Res*, **15C** (1956) 167-69.
- A Kohli J D, De N N: Pharmacological action of rauwolscine. *Nature Lond*, **177** (1956) 1182.
- A Kohli J D, Mukerji B: Comparative activity of reserpine and total alkaloids of *Rauvolfia serpentina* Benth. *Indian J Pharm*, **18** (1956) 301-03.
- G Mitra C R: Constituents of nim (*Melia indica*), I. Characterization of nimbin. *J sci industr Res*, **15B** (1956) 425.
- A Mukerji B: *Psoralea* and other indigenous drugs used in leucoderma. *J sci industr Res*, **15A** (Suppl.) (1956) 1-12.
- A Mukherjea T D, Tripathi R L: Studies on indigenous insecticidal plants: Part I—*Milletia pachycarpa* Benth. *J sci industr Res*, **15C** (1956) 106-11.
- A Nayar S L: Experimental propagation and culture of *Rauvolfia serpentina* Benth. by seeds. *Indian J Pharm*, **18** (1956) 125-26.

- A Singh P: Pharmacognosy of leaf of *Cocculus villosus* DC. *Indian J Pharm*, **18** (1956) 110-12.
- C Singh P: Pharmacognosy of leaf of *Melaleuca leucodendron* L. *Indian J Pharm*, **18** (1956) 288-91.
- C Singh P: Pharmacognosy of root and rhizome of *Cocculus villosus*. *Indian J Pharm*, **18** (1956) 393-96.
- C Singh, P: Pharmacognostic study of root of *Ricinus communis* L. *J sci industr Res*, **15** (1956) 259-62.
- C Singh P: Exudation in *Melaleuca* sp. *Sci & Cult*, **22** (1956) 114.
- G Subbaratnam A V, Siddiqui S: Chemical examination of the seeds of *Alangium lamarckii* Thwaites, I. Alkaloidal constituents of the seed kernels. *J sci industr Res*, **15B** (1956) 432.
- G Verma J P, Aggarwal J S: A note on component fatty acids of the oil from the seeds of *Momordica charantia* Linn. *J Indian chem Soc*, **33** (1956) 357.

1957

- A Bhandari P R, Sharma V N: Thermal degradation of chaksine iodide. *J sci industr Res*, **16B** (1957) 97.
- A Bhattacharji S, Dhar M M, Dhar M L: C₂₂-Raunescine renamed canembine. *J sci industr Res*, **16B** (1957) 97.
- C Chandra V: Leaf blotch disease of *Rauvolfia serpentina* Benth. *Sci & Cult*, **23** (1957) 99.
- A Chaudhry Govind Rai: Chemical examination of the roots of *Caesalpinia digyna* Rottler: Part II—Identity of vakerin with bergenin. *J sci industr Res*, **16B** (1957) 511-12.
- A Kohli J D, Balwani J H, Ray C, De N N: Pharmacological action of rauwolscine: Part I—Adrenergic blocking activity. *Arch int pharmacodyn Ther*, **111** (1957) 108-21.
- G Mitra C R: *Calophyllum inophyllum* Linn. I. Chemical constituents of the nut oil and the stem bark. *J sci industr Res*, **16B** (1957) 120.
- G Mitra C R: *Calophyllum inophyllum* Linn. II. Constitution of inophyllic acid. *J sci industr Res*, **16B** (1957) 167.
- A Mukerji B: Indigenous Indian drugs used in the treatment of diabetes. *J sci industr Res*, **16A** (Suppl.) (1957) 1-18.
- A Rastogi R P, Dhar M L: Studies on the chemical composition of *Ailanthus malabarica* DC. *J sci industr Res*, **16B** (1957) 74-80.
- C Singh P: Pharmacognosy of leaf of *Argyreia speciosa* Sweet. *J sci industr Res*, **16** (1957) 204-06.
- C Singh P: Concentration of starch in the root of *Salmalia malabarica* DC. *Sci & Cult*, **22** (1957) 634-36.
- A Srivastava S K, Dhar M M, Kohli J D: Studies on the metabolism of reserpine: Part III—3-Epireserpine. *J sci industr Res*, **16C** (1957) 73-74.
- G Varma J P, Dasgupta S, Bhola Nath, Aggarwal J S: The component & glyceride composition of the seed oil of *Sterculia foetida* Linn. *J Amer Oil Chem Soc*, **34** (1957) 452.

1958

- E Abrol B K, Tej Singh, Handa K L, Chopra I C: Propagation of *Ammi visnaga* in J & K. *Indian J Pharm*, **20** (1958) 7-8.
- A Bhandari P R, Mukerji B: 'Babchi' for leucoderma. *Nagarjun*, **2** (1958) 22-28.
- A Bisht B S, Nayar S L: Pharmacognosy of root and leaf of *Coccinia indica* Wight. & Arn. *J sci industr Res*, **17C** (1958) 46-51.
- G Bose J L: Glycoside constituents of chana (*Cicer arietinum* Linn.) I. Isolation of three new crystalline glycoside fractions. *J sci industr Res*, **17B** (1958) 494.
- C Chandra V: Studies in *Psoralea corylifolia* L. *J sci industr Res*, **17** (1958) 148-53.
- C Chaudhary A R, Sharma V N, Kaul K N: Chemical examination of the essential oil from *Nardostachys jatamansii*. *J sci industr Res*, **17B** (1958) 473-74.
- A Chaudhury G R, Dhar M L: Chemical examination of the roots of *Cyclea burmanni*. *J sci industr Res*, **17B** (1958) 163-66.
- A Chaudhury G R, Dhar M M, Anand Nitya, Dhar M L: The structure of jatamansic acid. *J sci industr Res*, **17B** (1958) 159-62.
- E Chopra I C, Handa K L, Abrol B K: Indian Calamus: Its scope in modern therapeutics. *J sci industr Res*, **17A** (1958) 8-11.
- E Chopra I C, Handa K L: Exploitation of Indian medicinal plants for production of pure active principles. *Chem Age India*, **9** (1958) 387-390.
- E Chopra I C, Varma B S, Handa K L: Toxicological aspects of Indian plants with special reference to veterinary practice, Part I. *Indian Vet*, (1958) 85-92.
- E Chopra R N, Chopra I C, Handa K L: Utilization of Indian medicinal and allied plants—A review. *Sci & Cult*, **24** (1958) 59-64, 112-116.
- E Chopra R N, Chopra I C, Handa K L, Kapoor L D: Indigenous drugs of India, 2nd. Ed. (1958). 816p. UN Dhur & Sons Private Ltd., Calcutta.
- A Gopalachari R, Dhar M L: Studies on the constitution of the saponin from the seeds of *Achyranthes aspera*: Part I—Identification of the sapogenin. *J sci industr Res*, **17B** (1958) 276-78.
- E Handa K L, Chaudhary S S, Jamwal K S: Chemistry & pharmacology of *Inula royleana*, Part II. *Indian J Pharm*, **20** (1958) 211-13.

- E Handa K L, Chopra I C: Need for development of Indian Medicinal plants. *Pharmakon*, **2** (1958) 18-20.
- C Kapoor S L: *Clematis triloba* Heyne ex Roth as illustrated by Kirtikar and Basu. *Indian J Pharm*, **20** (1958) 216-18.
- C Kapoor S L: *Clematis nepalensis* DC. of Kirtikar and Basu. *Indian J Pharm*, **20** (1958) 137-38.
- A Kohli J D, Balwani J H, De N N: Pharmacological action of rauwolscine: Part II—General pharmacology. *Arch int pharmacodyn Ther*, **115** (1958) 32-42.
- A Madan C L, Mukerji B: Biosynthesis of alkaloids in plants. *J sci industr Res*, **17A** (1958) 224-34.
- A Mukerjea T D, Ram Govind: Studies on indigenous insecticidal plants: Part II—*Annona squamosa*. *J sci industr Res*, **17C** (1958) 9-15.
- A Pradhan S N, Ray C, Varadan K S: Pharmacology of hayatin methiodide. *J sci industr Res*, **17C** (1958) 107-14.
- A Roy A C, Mukerji B: Kurchi (*Holarrhena antidysenterica* Linn.) alkaloids: Their isolation, constitution and biological activity. *J sci industr Res*, **17A** (1958) 158-64.
- C Sharma V S: Medicinal Plants of Ajmer. *Scientia*, **1** (1958) 42-48.
- E Sobti S N, Het Singh, Handa K L: Propagation of *Rauvolfia serpentina* in Jammu. *J sci industr Res*, **17A** (1958) 341-42.
- E Sobti S N, Tej Singh, Handa K L, Chopra I C: Propagation of *Vinca rosea* in Jammu & Kashmir. *Indian J Pharm*, **20** (1958) 48.
- C Srivastava G S, Chandra V: Tricotily in *Rauvolfia serpentina* Benth. *Sci & Cult*, **24** (1958) 87-88.
- C Srivastava G S: Propagation of *Cissampelos pareira* L. by root cuttings. *Sci & Cult*, **24** (1958) 601-03.
- C Srivastava G S: Growing saffron in Lucknow. *J Bombay nat Hist Soc*, **55** (1958) 385-86.
- E Vishwapaul, Handa K L, Chopra I C: Diosgenin from *Dioscorea* tubers. *Res & Ind*, **3** (1958) 53.
- E Vishwapaul, Tej Singh, Handa K L: Indian *Solanum* species as possible starting material for the synthesis of cortisone & steroid sex hormones. *Indian J Pharm*, **20** (1958) 247.

1959

- A Agarwal K P, Dhar M M: Chemical examination of *Ophiorrhiza mungos* Linn. *J sci industr Res*, **18B** (1959) 114-15.
- A Bhakuni D S, Khanna N M: Chemical examination of the bark of *Erythrina indica* Lam. *J sci industr Res*, **18B** (1959) 494-95.
- A Bhakuni D S, Tewari J D: Chemical examination of the fruits of *Scindapsus officinalis* Schott.: Part I—Isolation and chemical examination of the constituents. *J sci industr Res*, **18B** (1959) 427-30.
- A Bhandari P R, Mukerji B: *Lochnera rosea* (Linn.) Reichb. *Gauhati Ayurv Coll Mag*, **8** (1959) 1-4.
- A Bhandari P R, Mukerji B: Drug resources of India. *J Univ Gauhati*, **10** (1959) 159-62.
- A Bhandari P R, Mukerji B: *Holarrhena antidysenterica* Wall. (Kurchi). *Pharmacist*, **5** (1959) 31-56.
- A Bhandari P R, Mukerji B: The Neem: Indian Lilac. *East Pharm*, **2** (1959) 21-24.
- A Bhandari P R, Mukerji B: Garlic (*Allium sativum*) and its medicinal value. *Nagarjun*, **4** (1959) 121-29.
- A Bisht B S, Nayar S L: Pharmacognostical study of the bark of *Erythrina variegata* Linn. var. *orientalis* (Linn.) Merrill. *J sci industr Res*, **18C** (1959) 224-28.
- B Chatterjee A, Pakrashi S C: The alkaloids of *Rauvolfia canescens* Linn. Part 9: On the structure and stereochemistry of Rauwolscine (—Yohimbine). *J Indian chem Soc*, **36** (1959) 685; *Proc Indian Sci Congr*, Pt 3 (1955) 136.
- A Chatterjee S K, Anand Nitya, Dhar M L: Chemical examination of *Melodinus monogynus* Roxb.: Part II—Identification of monogynol A and monogynol B. *J sci industr Res*, **18B** (1959) 262-63.
- E Chopra I C, Chopra C L: Antibacterial properties of *Peristrophe bicalyculata*. *Indian J med Res*, **47** (1959) 161-63.
- E Chopra I C, Handa K L: Contribution of Indian indigenous drugs to the modern therapeutics. *Nagarjun*, **2** (1959) 777.
- E Chopra I C, Handa, K L: Role of Indian medicinal plants in modern medicine. *Pharmaceutist*, (1959)(March).

- E Chopra I C, Handa K L: A plea for pharmacopoeia of indigenous medicine. *Sci & Cult*, **24** (1959) 529-32.
- E Chopra I C, Handa K L, Kar Amiya B: Himalayan cedarwood oil as a substitute for imported cedarwood oil in microscopical work. *J sci industr Res*, **18C** (1959) 133-34.
- E Chopra I C, Jamwal K S, Chopra C L, Nair C P N, Pillay P P: Preliminary pharmacological investigation of total alkaloids of *Lochnera rosea* Reichb. (Rattan jot). *Indian J med Res*, **47** (1959) 39-46.
- E Chopra I C, Varma B S, Handa K L: Toxicological aspects of Indian plants with special reference to veterinary practice, Part II. *Indian Vet*, (1959) 119-125.
- E Handa K L, Tej Sinh, Vishwapaul: Atropine and Hyoscine from indigenous Solanaceous plants of North-Western Himalayas. *J Instn Chem India*, **31** (1959) 4-8.
- E Jamwal K S, Sharma I P, Chopra C L: Pharmacological investigation of the fruit of *Emblica officinalis* Gaertn. *J sci industr Res*, **18C** (1959) 180-81.
- E Jamwal K S, Sharma I P, Chopra C L: Preliminary pharmacological action of the roots of *Cyclea peltata* Diels. *J sci industr Res*, **18** (1959) 259-60.
- A Kannan L V, Bose P C, Ray G K: Estimation of resin in *Ipomoea hederacea* (Linn.) Jacq. *Indian J Pharm*, **21** (1959) 341-42.
- A Madan C L, Nayar S L: Pharmacognostic study of the leaf and root of *Vitex negundo* Linn. *J sci industr Res*, **18C** (1959) 10-14.
- A Mukerji B, Bhandari P R: *Cissampelos pareira*—Source of a new curariform drug. *Planta med*, **7** (1959) 250-59.
- A Nayar S L, Bisht B S: The pharmacognosy of the bark of *Ficus glomerata* Roxb. *J sci industr Res*, **18C** (1959) 15-17.
- E Nazir B N, Handa K L: Chemical investigation of *Lochnera rosea*. *J sci industr Res*, **18B** (1959) 175.
- C Nigam S K, Sharma V N: Identity of the bitter principle from *Luffa amara* with cucurbitacin B. *J sci industr Res*, **18B** (1959) 566.
- A Pradhan S N, De N N: Comparative pharmacological activities of some derivatives of hayatin. *Arch int Pharmacodyn Ther*, **120** (1959) 136-40.
- A Rakhit S, Dhar M M, Anand Nitya, Dhar M L: Chemical investigation of *Daemia extensa* R. Br. *J sci industr Res*, **18B** (1959) 422-26.
- A Rastogi R P: Chemical examination of *Picrorhiza kurroa* Benth.: Part V—Studies in the synthesis of kutkin. *J sci industr Res*, (1959) 522-24.

- A Rastogi R P, Dhar M L: Chemical examination of *Picrorhiza kurroa* Benth.: Part IV—Identification of kurrin as D-mannitol. *J sci industr Res*, **18B** (1959) 219.
- A Sarin J P S, Nandi R C, Ray G K: Colorimetric estimation of emetine in ipecacuanha. *Indian J Pharm*, **21** (1959) 308-09.
- A Sarkar B, Khanna N M: Chemical examination of *Grewia populifolia* Vahl. *J sci industr Res*, **18C** (1959) 20.
- E Sobti S N, Abrol B K, Handa K L, Chopra I C: Cultivation of *Rauvolfia serpentina* in Jammu & Kashmir. *Indian For*, **85** (1959) 233-36.
- C Srivastava G S: Observations on the cultivation of *Abelmoschus moschatus* Medic. *Indian Perfum*, **3** (1959) 74.
- A Srivastava S K, Bose P C, Ray G K, Mukerji B: Estimation of andrographolide in Kalmegh. *Indian J Pharm*, **21** (1959) 229-30.
- E Tej Singh, Handa K L: Indigenous production of khellin. *Res & Ind*, **4** (1959) 44.
- G Chemical examination of *Mundulea suberosa* Benth.—II. Constitution of munetone, the principal crystalline product of the root bark. *J Indian chem Soc*, **36** (1959) 165.

1960

- A Agarwal K P, Rakhit S, Bhattacharji S, Dhar MM: Observations on the structure of hayatin and the attempted synthesis of a symmetrical bisbenzyl-isoquinoline. *J sci industr Res*, **19B** (1960) 479-81
- A Bhakuni D S, Dhar M M, Dhar M L: Structure of alangine—A, an alkaloid from *Alangium lamarckii* Thwaites. *J sci industr Res*, **19B** (1960) 8-10.
- A Bisht B S, Nayar S L: Pharmacognostic study of the rhizome of *Curculigo orchoides* Gaertn. *J sci industr Res*, **19C** (1960) 252-54.
- A Chak I M, Kohli J D: Effect of rauwolscine on the 5-hydroxyindole-acetic acid excretion in urine of rats. *J sci industr Res*, **19C** (1960) 256-57.
- A Dasgupta J, Kundu B C: Pharmacognostic studies on *Xanthium strumarium* L. root. *Planta med*, **11** (1963) 471-78.
- B Dutta A K, Pakrashi S C: Studies on cardiovascular drugs. Part 1: Preliminary pharmacological investigations of a new alkaloid from *Alangium lamarckii* Thw. *Ann Biochem*, **20** (1960) 279.
- A Kannan L V, Sarin J P S, Ray G K: Estimation of tannins in myrobalan (*Terminalia chebula* Retz.). *Indian J Pharm*, **22** (1960) 314-15.
- A Kohli J D, Vohra M M: Pharmacological studies on peruvoside—a new cardiac glycoside from *Thevetia neriifolia* Juss. *Arch int Pharmacodyn Ther*, **126** (1960) 412-25.
- A Madan C L, Nayar S L: Pharmacognostic study of the root of *Ervatamia coronaria* Stapf. *J sci industr Res*, **19C** (1960) 280-82.
- A Mukerjea T D, Ram Govind: Studies on indigenous insecticidal plants: Part III—*Acorus calamus* Linn. *J sci industr Res*, **19C** (1960) 112-19.
- A Pakrashi S C: Structure-activity relationship. Part 3: Stereochemical implications of hypotensive action of some indole alkaloids. *IPUAC Symp Chem nat Prod Australia*, (1960) 83.
- A Pakrashi S C: Structure-activity relationship. Part 4: Correlation of the hypotensive action of some *Rauvolfia* alkaloids. Absolute configuration of the C 19-methyl groups in the heteroyohimbane bases. *Ann Biochem*, **20** (1960) 309.
- G Paul A, Bawdekar A S, Joshi R S, Kulkarni G H, Rao A S, Kelkar G R, Bhattacharya S C: Examination of Costus root oil—Part I. *Perfum essent Oil Rec*, **51** (1960) 115.

- A Rastogi R P, Dhar M L: Chemical examination of *Bacopa monniera* Wettst. *J sci industr Res*, **19B** (1960) 455-56.
- A Rastogi R P, Sarkar B, Dhar M L: Chemical examination of *Centella asiatica* Linn.: Part I—Isolation of the chemical constituents. *J sci industr Res*, **19B** (1960) 252-57.
- A Ray C, Varadan K S, De N N: Pharmacological studies on hayatin methyl ether methiodide. *J sci industr Res*, **19C** (1960) 71-75.
- B Roy S K, Pakrashi S C: Studies on Indian medicinal plants. Part I Chemical investigation of the stem bark of *Alangium lamarckii* Thw. *Ann Biochem*, **20** (1960) 103.
- A Sarkar B, Rastogi R P: Paper chromatography of triterpenoid saponins. *J sci industr Res*, **19B** (1960) 106-07.
- A Srivastava S K, Iyer S S, Ray G K: Estimation of the total alkaloids of *Withania somnifera* Dunal. *Indian J Pharm*, **22** (1960) 94-95.

1961

- C Bhakuni D S, Sharma V N, Kaul K N: Bitter constituents of *Luffa* species. *J sci industr Res*, **20B** (1961) 360-61.
- C Bhakuni D S, Srivastava S N, Sharma V N, Kaul K N: Chemical investigation of *Xanthium strumarium* Linn. *Indian J appl Chem*, **24** (1961) 197-201.
- C Bhakuni D S, Srivastava S N, Sharma V N, Kaul K N: Constituents of the seeds of *Luffa echinata* var. *longistyla*. *J sci industr Res*, **20B** (1961) 556-57.
- A Bhattacharji S: Isolation of raffinose from *Psoralea corylifolia* Linn. *J sci industr Res*, **20B** (1961) 135.
- A Bisht B S, Kundu B C, Mukerji B: Pharmacognostical study of the root of *Onosma echiioides* Linn. *J sci industr Res*, **20C** (1961) 218-22.
- A Bose P C, Sen T K, Ray G K: Effect of ultrasonic energy on the extraction of alkaloids from *Rauvolfia serpentina* roots. *Indian J Pharm*, **23** (1961) 222-23.
- E Chopra I C, Handa K L: Review of research on Indian medicinal and allied plants. Indian Council of Agricultural Research, New Delhi. (ICAR Review Series No. **34**) (1961) 60 p.
- A Chopra R N: Medicinal & allied plants of India; a brief general review. *Indian J Pharm*, **23** (1961) 341-45.
- A Datta Sunil C, Datta D, Mukerji B: Pharmacognostic studies on leaves of *Myrtus communis* Linn.—The Indian buchu of commerce. *J sci industr Res*, **20C** (1961) 89-91.
- B Dutta A K, Pakrashi S C: Studies on cardiovascular drugs. Part 2: Further investigation on pressure response of the new alkaloid from *Alangium lamarckii* Thw. *Ann Biochem*, **21** (1961) 109.
- E Jamwal K S, Anand K K, Chopra I C: Pharmacological activity of glycosides derived from the leaves of *Vallisneria spiralis*. *J sci industr Res*, **20C** (1961) 21-24.
- A Kannan L V, Srivastava S K, Ray G K: Estimation of alkaloids in aconite root and its tincture. *Indian J Pharm*, **23** (1961) 212-13.
- A Kapil R S, Dhar M M: Chemical constituents of *Diospyros montana* Roxb.: Part I—Isolation of diospyrin, a new binaphthyl derivative. *J sci industr Res*, **20B** (1961) 498-500.

- A Kapil R S, Bhakuni D S, Anand Nitya, Dhar M L: On the structure of alangine-A. *J sci industr Res*, **20B** (1961) 136.
- E Kapoor L D: Poppy cultivation is paying. *Indian Fmg N S*, **11** (7) (1961-62) 8-9.
- A Kohli J D, Mukerji B: Reserpine and rauwolfia alkaloids: Recent pharmacological studies. *J sci industr Res*, **20A** (1961) 69-87.
- A Kohli J D, Vohra M M, De N N: Pharmacological action of rauwolscline: Part III—Further pharmacological studies. *Arch int Pharmacodyn Ther*, **134** (1961) 447-53.
- G Kulkarni G H, Rao P S, Kelkar G R, Bhattacharya S C: Examination of the Costus root oil—Part II. *Perfum essent Oil Rec*, **52** (1961) 20.
- A Madan C L, Kundu B C: Pharmacognosy of the root of *Agrimonia eupatoria* Linn. *J sci industr Res*, **20C** (1961) 348-50.
- A Malla S, Nigam M C, Rao P R: Isomers of menthol present in the Indian oil of *Mentha arvensis*. *J Oil Technol Assoc Kanpur*, **16** (3) (1961) 56-58.
- A Misra Anand L, Agarwala S C, Mukerji B: Mode of action of psoralen in pigment production: Part I—Action of ultraviolet radiation on psoralen. *J sci industr Res*, **20C** (1961) 339-41.
- C Misra G, Sharma V N, Mitra C R, Kaul K N: The constituents of ambrette seed. *Schimmel Brief*, **311** (1961) 761-62.
- C Mitra C R: Some important characteristics of neem oil and its standardisation. *Indian Oilseed J*, **3** (1961) 204-07.
- A Mukerji B: Pharmacology and chemistry of *Nardostachys jatamansi* DC. *Pakist J sci industr Res*, **4** (1961) 277-79.
- A Mukerji B, Dhar M L: Chemistry and pharmacology of *Nardostachys jatamansi* DC. *Planta med*, **9** (1961) 1-7.
- A Mukerji B, Zaidi S H, Singh G B: Spices and gastric function: Part I—Effect of *Curcuma longa* on the gastric secretion in rabbits. *J sci industr Res*, **20C** (1961) 25-28.
- A Mukerjee S S, Mukherjee S K: Investigation of liver function following prolonged administration of psoralen and its allied compounds in rabbits. Part I—Isopsoralen. *J sci industr Res*, **20C** (1961) 326-27.
- B Pakrashi S C: Structure-action relationship. Part 5: Influence of stereochemistry on the pharmacological activity of tertiary indoline and biogenetically related alkaloids. *Proc Symp Phytochem Hong Kong*, (1961) 51.
- B Pakrashi S C: Structure-action relationship. Part 6: Influence of stereochemistry on the pharmacological activities of tertiary indoline and biogenetically related alkaloids. *Ann Biochem*, **21** (1961) 367.

- B Pakrashi S C, Roy S K: Synthesis of 3-anisyl-2-piperidyl-n-propanol. *J Indian chem Soc*, **38** (1961) 923.
- B Pakrashi S C, Roy S K: Studies on Indian medicinal plants. Part 2: Chemical investigation of *Glycosmis arborea* Correa. *J sci industr Res*, **20B** (1961) 186.
- B Pakrashi S C, Roy S K, Johnson L F, George T, Djerassi C: Studies on Indian medicinal plants. Part 3: Structure of the alkaloid arboinine. *Chem & Ind*, (1961) 464.
- A Roy Ghatak B J, De N N: Pharmacological action of *Daemia extensa* R. Br. *J sci industr Res*, **20C** (1961) 51-53.
- A Sarin J P S, Ray G K: Estimation of embelin from *Embelia ribes* Burm. f. *Indian J Pharm*, **23** (1961) 330-31.
- C Sehgal S L, Bhakuni D S, Sharma V N, Kaul K N: Chemical constituents of the seeds of *Luffa graveolens*. *J sci industr Res*, **20B** (1961) 461.
- A Shama Rau T H: *Acacia catechu* Willd. *Nat med J*, (1961) 1-3.
- C Sharma V N: The constituents of ambrette seeds. *Soap Perfum Cosm*, **34** (1961) 761.
- A Shukla O P, Krishna Murti C R: Properties and partial purification of a bacteriolytic enzyme from the latex of *Calotropis procera* (Madar). *J sci industr Res*, **20C** (1961) 109-12.
- A Shukla O P, Krishna Murti C R: Bacteriolytic activity of plant latices. *J sci industr Res*, **20C** (1961) 225-26.
- G Singh L B, Bose J L: Chemical examination of mango panicles (*Mangifera indica* L.). *J sci industr Res*, **20B** (1961) 296.
- E Sobti S N, Singh S D: A chromosome survey of Indian medicinal plants—Part I. *Proc Indian Acad Sci*, **54** (1961) 138-44.
- A Srivastava S K, Bose P C, Ray G K, Mukerji B: Colorimetric estimation of ephedrine in pharmaceutical preparations. *J sci industr Res*, **20D** (1961) 212-13.
- A Tandon R N, Khanna B K, Bajpai R P, Zaidi S H: Rudanti in pulmonary tuberculosis. *J Indian med Assoc*, **36** (1961) 143-46.
- A Vohra M M, De N N: Digitalis-like activity of glycosides from *Vallisneria spiralis*. *J sci industr Res*, **20C** (1961) 161-62.
- A Vohra M M, Kohli J D, De N N: Pharmacological studies on ruvoside—another new digitaloid from *Thevetia neriiifolia* Juss. *Arch int Pharmacodyn Ther*, **133** (1961) 265-74.
- E Yoginder Nath, Nazir B N, Handa K L: Bergapten from the fruits of *Heracleum candicans* Wall. *Indian J Pharm*, **23** (1961) 303-04.

1962

- E Abrol B K, Chopra I C: Some vegetable drug resources of Ladakh (Little Tibet) Part—I. *Curr Sci*, **31** (1962) 324-26.
- E Abrol B K, Kapoor L D: Distribution of *kins* (*Dioscorea deltoidea* Wall.) in North-Western Himalayan region. *Bull reg Res Lab, Jammu*, **1** (1962) 30-31.
- E Abrol B K, Kapoor L D, Chopra I C: Pharmacognostic study of the rhizome of *Dioscorea deltoidea* Wall. *Planta med*, **10** (1962) 335-40.
- A Ali Rashid, Agarwala S C: Mode of action of psoralen in pigment production: Part II—Inactivation of -SH groups by irradiated psoralen. *J sci industr Res*, **21C** (1962) 321-23.
- C Bhakuni D S, Srivastava S N, Kaul K N: Chemical examination of the fruits of *Coccinia indica*. *J sci industr Res*, **21B** (1962) 237-38.
- C Bhakuni D S, Srivastava S N, Sehgal S L, Kaul K N: Chemical examination of *Clerodendron phlomoides*. *J sci industr Res*, **21B** (1962) 48-49.
- A Bhattacharji S, Birch A J, Brack A, Hofmann A, Kobel H, Smith D D, Smith H, Winter J: Studies in relation to biosynthesis: Part XXVII—The biosynthesis of ergot alkaloids. *J chem Soc* **1**, (1962) 421-25.
- A Bhattacharji S, Dhar M M, Dhar M L: Chemical examination of *Rauvolfia densiflora* Benth. *J sci industr Res*, **21B** (1962) 454.
- A Bhattacharji S, Roy A C, Dhar M L: Chemical examination of the roots of *Cissampelos pareira* Linn.: Part II—Isolation and structure of hayatinin. *J sci industr Res*, **21B** (1962) 428-33.
- A Bisht B S, Kundu B C: Pharmacognostic study of root and leaf of *Clerodendrum serratum* (L.) Moon. *J sci industr Res*, **21** (1962) 79-83.
- E Chopra I C: Cultivation of *Mentha arvensis*. *Bull reg Res Lab, Jammu*, **1** (1962) 32-36.
- E Chopra I C, Sobti S N, Handa K L: Cultivation of medicinal plants in Jammu & Kashmir, Indian Council of Agricultural Research, New Delhi. Rev edn, (1962) pp 76.
- E Chopra I C, Handa K L, Chopra R N: Utility of research in Indian indigenous drugs. In *Souvenir Haffkine Inst Bombay*, (1962), pp 1-6.
- B Dutta A K, Pakrashi S C: Studies on cardiovascular drugs: Part 3: Prelimi-

- nary studies on the total alkaloids from the seeds of *Alangium lamarckii* Thw. *Ann Biochem*, **22** (1962) 23.
- B Dutta A K, Pakrashi S C: Studies on cardiovascular drugs: Part 4: Effect of the alkaloid from the stem bark of *Alangium lamarckii* Thw. on cardiovascular system and smooth muscles. *Ann Biochem*, **22** (1962) 129.
- F Dutta P K, Chaudhuri S B, Rao P R: Germination and chemical composition of *Rauvolfia serpentina*. *Indian J Pharm*, **24**(3) (1962) 61-63.
- E Gandotra K L, Ganguly D: Experimental cultivation of ergot in Jammu & Kashmir: Part I—Possibility of cultivating & improving the yield of ergot. *J sci industr Res*, **21D** (1962) 460-63.
- E Ganguly D, Pandotra V R: Some of the commonly occurring diseases of important medicinal & aromatic plants in Jammu & Kashmir. *Indian Phytopath*, **15** (1962) 50-54.
- G Ghose A C, Dutta N L: Chemical examination of *Mundulea suberosa* Part III—Isolation of mundulone. *J Indian chem Soc*, **39** (1962) 475.
- E Gupta K C, Bhatia M C, Chopra C L, Amar Nath, Chopra I C: Anti-staphylococcal activity of *Psoralea corylifolia* seed extracts. *Bull reg Res Lab, Jammu*, **1** (1962) 59-60.
- E Jamwal K S, Anand K K: Preliminary screening of some reputed abortifacient indigenous plants. *Indian J Pharm*, **24** (1962) 218-20.
- E Jamwal K S, Anand K K, Chopra I C: Pharmacological properties of a crystalline substance (osthol) isolated from *Prangos pabularia* Lindl. *Arch int Pharmacodyn Ther*, **138** (1962) 400-11.
- E Janaki Ammal E K: Tetraploidy in *Rauvolfia serpentina* Benth. *Curr Sci*, **31** (1962) 520-21.
- E Janaki Ammal E K, Singh S D: Induced tetraploidy in *Dioscorea deltoidea* Wall. *Proc Indian Acad Sci*, **56B** (1962) 329-31.
- E Kapoor L D, Kaul B K: Preliminary studies on the effect of gibberellic acid on the growth and total alkaloidal patterns of *Datura innoxia* Mill. *Planta med*, **10** (1962) 70-76.
- A Khanna N M, Iyer R N, Kar Amiya B, Mundle M: Antifertility effect of emetine dimer. *J sci industr Res*, **21C** (1962) 84-86.
- A Kohli J D, Vohra M M, Das P, De N N: Pharmacological action of rauwolscine: Spasmolytic and anti-diuretic activity. *Arch int Pharmacodyn Ther*, **138** (1962) 105-12.
- A Kundu B C, Gupta B: Pharmacognostic classification of drugs in ancient India. *Bull nat Inst Sci India*, No. 21 (1962) 244-50.

- A Madan C L, Kundu B C: Pharmacognosy of the leaf and petiole of *Vallisneria spiralis* L. *J sci industr Res*, **21C** (1962) 128-30.
- A Madan C L, Kundu B C: Effect of gibberellic acid treatment on the growth, morphology and physiology of some drug plants. *Planta med*, **10** (1962) 484-93.
- A Mehrotra B N, Kundu B C: Pharmacognostic study of leaf and tender shoot of *Justicia gendarussa* Burm. f. *J sci industr Res*, **21C** (1962) 55-60.
- A Mehrotra B N, Kundu B C: Pharmacognostic studies on *Asteracantha longifolia* Nees. *Planta med*, **10** (1962) 474-83.
- C Misra G, Mitra C R, Kaul K N: Chemical examination of *Citrullus colocynthis* fruit and seed. *J sci industr Res*, **21B** (1962) 238-39.
- A Mukerjee S S, Mukherjee S K: Investigation of liver function following prolonged administration of psoralen and its allied compounds in rabbits: Part II—Effect of imperatorin (8-isoamylenoxy psoralen). *J sci industr Res*, **21C** (1962) 132-33.
- B Pakrashi S C, Bhattacharyya J: Studies on Indian medicinal plants. Part 4: Further alkaloids from *Glycosmis arborea* (Roxb.) DC. *J sci industr Res*, **21B** (1962) 49.
- B Pakrashi S C, Bhattacharyya J, Johnson L F, Budzikiewicz H: Structural studies on the minor alkaloids from *Glycosmis arborea* (Roxb.) DC. *IPUAC Symp Chem Nat Prod, Prague*, (1962) 69.
- F Rao P R: Amino acid composition of proteins of the seeds of *Rauvolfia serpentina*. *Indian J Pharm*, **24** (8) (1962) 187.
- A Rastogi R P: Recent advances in the chemistry of glycosides. *J sci industr Res*, **21A** (1962) 6-7.
- E Sarin Y K, Kapoor L D: Survey of medicinal weeds. *Bull reg Res Lab, Jammu*, **1** (1962) 25-29.
- E Sharma M L, Nigam M C, Handa K L: Chemische Untersuchungen des pfefferschalenols (*Piper nigrum* L., Fam, *Piperaceae*) *Parfum ü Kosmetik*, **43** (1962) 505-06.
- A Singh G B, Zaidi S H, Bajpai R P: Effect of *Brassica oleracea* var. *capitata* in the prevention and healing of experimental peptic ulceration. *Indian J med Res*, **50** (1962) 741-49.
- A Srivastava G N, Chakravarti R N, Zaidi S H: Studies on anticoagulant therapy: Part III—*In vitro* screening of some Indian plant latices for fibrinolytic and anticoagulant activity. *Indian J med Sci*, **16** (1962) 873-77.
- E Vashist V N, Handa K L: Solasodine from *Solanum aviculare*. *Res & Ind*, **7** (1962) 405-06.

- E Yoginder Nath, Rao P R: Amino acid composition of the proteins of the seeds of *Rauvolfia serpentina*. *Indian J Pharm*, **24** (1962) 187.
- E Yoginder Nath, Chopra I C, Rao P R: Oxytotic principle from the seeds of *Cassia tora* Linn. *Curr Sci*, **31** (1962) 285-86.

1963

- E Abrol B K, Chopra I C, Kapoor L D: Exploitation of *Dioscorea deltoidea* in N. W. Himalayan region. *Planta med*, **11** (1963) 44-52.
- A Agarwal K P, Roy A C, Dhar M L: Triterpenes from the bark of *Myrica esculenta* Buch.-Ham. *Indian J Chem*, **1** (1963) 28-30.
- F Baruah J N, Rao P R, Janardhanan K K, Ganguly D: Fungitoxicity of different polyphenolic fractions of *Acacia arabica* bark. *J Inst Chem India*, **35**(6) (1963) 308-6.
- F Bezbaruah H P, Bezbaruah B: *Solanum aculeatissimum* Jacq. a new record for northern India. *J Bombay nat Hist Soc*, **60** (1963) 759-63.
- F Bezbaruah H P, Bezbaruah B: Chromosome survey of some species of *Solanum* of medicinal value. *J Proc Indian Acad Sci*, (1963) 58.
- A Bisht B S: Pharmacognosy of 'Piplamul'—the root and stem of *Piper longum* Linn. *Planta med*, **11** (1963) 410-16.
- F Bordoloi D N, Ganguly D: Black spot of roses caused by Diplocarbon rose wolf. *Indian Phytopath*, **16**(3) (1963) 255-9.
- A Chatterjee N, Rastogi R P, Dhar M L: Chemical examination of *Bacopa monniera* Wettst.: Part I—Isolation of chemical constituents. *Indian J Chem*, **1** (1963) 212-15.
- E Chopra I C, Handa K L: Utilization of some vegetable drugs of North-Western Himalayan region for cortisone & other steroid sex hormone production. *Bull reg Res Lab, Jammu*, **1** (1963) 183-89.
- E Chopra I C, Jamwal K S, Anand K K: Some important pharmacological researches carried out at the Regional Research Laboratory, Jammu. *Bull reg Res Lab, Jammu*, **1** (1963) 192-94.
- E Chopra I C, Vishwapaul, Handa K L: Steroid hormones from Indian *Solanum* species. *Indian med Gaz*, **3** (1963) 9-16.
- A De N N, Vohra M M, Kohli J D: A comparative pharmacological study of new cardiac glycosides of *Thevetia neriifolia* Juss. *Int Pharmacol Meet*, **3** (1963) 277-87.
- E Dutt A K, Kapoor L D, Sarin Y K: Introduction of *Solanum aviculare* Forst. f. in Kashmir. *Indian J Pharm*, **25** (1963) 160-61.
- B Dutta A, Pakrashi S C: Studies on cardiovascular drugs. Part 5: Pharmaco-

- logical investigations of the total alkaloids from the seeds of *Alangium lamarckii* Thw. *Ann Biochem*, **23** (1963) 285.
- E Dutta P K, Chopra I C, Kapoor L D: Cultivation of *Rauvolfia serpentina* in India. *Econ Bot*, **17** (1963) 243–51.
- E Dutta P K, Gupta N K, Ajit Singh: Germination of *Rauvolfia* seeds in the field. *Indian J Pharm*, **25** (1963) 98–99.
- E Ganguly D, Pandotra V R: Fungi on medicinal & aromatic plants in the North-West Himalayas—I. *Mycopath Mycol appl*, **20** (1963) 39–48.
- E Jamwal K S, Sethi O P, Chopra I C: Pharmacodynamical effects of a volatile fraction isolated from *Seseli sibiricum* Benth. *Arch int Pharmacodyn Ther*, **143** (1963) 41–51.
- E Janaki Ammal E K, Bezbaruah H P: Induced tetraploidy in *Catharanthus roseus* (L.) G. Don. *Proc Indian Acad Sci*, **57B** (1963) 339–42.
- E Kapoor L D, Dutt A K, Sarin Y K: Experimental cultivation of *Dioscorea deltoidea* Wall. in Kashmir. *Indian For*, **89** (1963) 622.
- A Kar Amiya B, Bose A R, Das R P: Effect of m-xylohydroquinone on the genital organs and fertility of male rats. *J Reprod Fertil*, **5** (1963) 77–81.
- A Kidwai A M, Krishna Murti C R: Purification and properties of a bacteriolytic enzyme from the latex of *Ervatamia coronaria*. *Indian J Chem*, **1** (1963) 177–80.
- A Nayar S L: Exotic botanical drugs imported at present and requiring extensive production in India. *Bull reg Res Lab, Jammu*, **1** (1963) 142–48.
- B Pakrashi S C, Bhattacharyya J: Studies on Indian medicinal plants. Part 5: Isolation of the minor alkaloids from *Glycosmis arborea* (Roxb.) DC. *Ann Biochem*, **23** (1963) 123.
- B Pakrashi S C, Bhattacharyya J: Studies on Indian medicinal plants. Part 6: Structure of glycosmicine, glycorine and glycosminine, the minor alkaloids from *Glycosmis arborea* (Roxb.) DC. *Tetrahedron*, **19** (1963) 1011.
- A Prahlad K V, Kar Amiya B: New evidence against the putative anti-implantation effect of metaxylohydroquinone. *Fertil Steril*, **14** (1963) 372–74.
- A Rastogi R P, Dhar M L: Chemical examination of *Centella asiatica* Linn.: Part II—Brahmoside and brahminoside. *Indian J Chem*, **1** (1963) 267–69.
- E Sarin Y K, Kapoor L D, Chopra I C: *Physochlaina praealta* (Don) Miers: A hyoscyamine yielding plant important in Lahaul's economy. *Indian For*, **89** (1963) 610–11.
- A Singh P: Pharmacognostic studies of the roots of *Streblus asper* Lour. *Planta med*, **11** (1963) 191–97.

- A Singh P, Madan C L, Kundu B C: Histological study of the roots of *Carissa carandas* and *Carissa spinarum*. *Lloydia*, **26** (1963) 49-56.
- A Srivastava S K, Srivastava B B P, Ray G K, Mukerji B: Colorimetric estimation of atropine in pharmaceutical preparations. *Indian J Pharm*, **25** (1963) 304-05.
- E Vishwapaul, Handa K L: *Trillium govanianum* Wall. as a source of diosgenin. *Indian J Chem*, **1** (1963) 101-102.
- A Vohra M M, De N N: Comparative cardiogenic activity of *Carissa carandas* Linn. and *Carissa spinarum* Linn. *Indian J med Res*, **51** (1963) 937-40.
- B Vorbrueggen H, Pakrashi S C, Djerassi C: Studies on Indian medicinal plants. Part 7: Aborinol. ein neuer triterpen-typus. *Liebig's Ann*, **668** (1963) 57.

1964

- A Basu D K, Pradhan S N: Studies on Cissampelos alkaloids: Part II—Estimation of hayatin methiodide in blood and urine. *Indian J exp Biol*, **2** (1964) 129-31.
- A Bhatia A, Singh G B, Khanna N M: Effect of curcumin, its alkali salts and *Curcuma longa* oil in histamine induced gastric ulceration. *Indian J exp Biol*, **2** (1964) 158-60.
- F Bordoloi D N, Baruah J N, Ganguly D, Rao P R: Effects of polyphenolic extracts of *Cassia fistula* and *Acacia catechu* on the spore germination of *Colletotrichum falcatum* Went. *Curr Sci*, **33** (13) (1964) 408.
- B Budzikiewicz H, Pakrashi S C, Vorbrueggen H: Studies on Indian medicinal plants. Part 8: Die isolierung von Emetin, Cephaelin und Psychotrin aus *Alangium lamarckii* and die identifizierung von Alamarckine mit N-mehtylcephaelin. Diskussion der Massenspektren von Ipecacuanha-alkaloiden. *Tetrahedron*, **20** (1964) 399.
- A Chak I M, Pradhan S N: Central depressant effect of metaxylohydroquinone. *Indian J exp Biol*, **2** (1964) 23-25.
- A Chakrabarty N N, Pradhan S N: Pharmacological studies on metaxylohydroquinone. *Indian J med Res*, **52** (1964) 597-605.
- F Dutta P K, Bradu B L, Chaudhuri S B, Rao P R: Effect of soil types on the yield of *Mentha arvensis* L. *Indian J Agron*, **9** (4) (1964) 286-87.
- E Gupta B K, Vishwapaul, Handa K L, Kapoor L D: Hyoscine is the chief constituent of *Datura suaveolens* leaves. *Proc nat Acad Sci India*, **34A** (1964) 261-62.
- E Jamwal K S, Anand K K, Sethi O P, Chopra I C: The respiratory stimulant effect of 7-methoxy-8-isopentenyl-coumarin (Osthol); A naturally occurring coumarin. *Arch int Pharmacodyn Ther*, **147** (1964) 351-58.
- E Jamwal K S, Sethi O P, Anand K K, Chopra I C: 7-methoxy - iso pentenyl coumarin (O thol)-toxicity on mechanism of respiratory stimulant-action. *Arch int Pharmacodyn Ther*, **150** (1964) 425-34.
- G Kapadi A H, Sukh Dev: The diterpenoids of *Erythroxylon monogynum*-I. *Monogynol. Tetrahedron Lett*, (1964) 1171.
- G Kapadi A H, Sukh Dev: The diterpenoids of *Erythroxylon monogynum*-III. Further constituents, the absolute stereochemistry of monogynol and hydroxymonogynol. *Tetrahedron Lett*, (1964) 2751.

- A Kidwai A M, Krishna Murti C R: Studies on bacteriolytic enzyme from the latex of *Ervatamia coronaria*. *Indian J Biochem*, **1** (1964) 41-45.
- A Lahiri P K, Pradhan S N: Studies on Cissampelos alkaloids: Part III—Toxicity of hayatin methiodide. *Indian J exp Biol*, **2** (1964) 132-34.
- A Lahiri P K, Pradhan S N: Pharmacological investigation of vasicinol—an alkaloid from *Adhatoda vasica* Nees. *Indian J exp Biol*, **2** (1964) 219-23.
- G Misra R, Pandey R C, Sukh Dev: The chemistry of the oleoresin from *Hardwickia pinnata*; A series of new diterpenoids. *Tetrahedron Lett*, (1964) 3751.
- C Mitra G C, Kaul K N: *In vitro* culture of root and stem callus of *Rauvolfia serpentina*. *Indian J exp Biol*, **2** (1964) 49-51.
- B Pakrashi S C: Studies on Indian medicinal plants. Part 11: Isolation of a new alkaloid from the root-bark of *Alangium lamarckii* Thw. *Indian J Chem*, **2** (1964) 468.
- B Pakrashi S C, Bhattacharyya J: Studies on quinazoline alkaloids from *Glycosmis arborea* (Roxb.) DC. *IPUAC Symp Chem Nat Prod Kyoto, Japan*, (1964) 74.
- B Pakrashi S C, Ghosh Dastidar P P: Studies on Indian medicinal plants. Part 9: Isolation of emetine, cephaeline and psychotrine from the root-bark of *Alangium lamarckii* Thw. *Indian J Chem*, **2** (1964) 379.
- B Pakrashi S C, Roy S K, Bhattacharyya J: Studies on Indian medicinal plants. Part 10: Isolation of neutral components from *Glycosmis arborea* (Roxb.) DC. *J Indian chem Soc*, **41** (1964) 651.
- A Pradhan S N, Pandey K, Badola R P: Clinical trial of hayatin methiodide as a muscle relaxant in 100 cases. *Brit J Anaesthesia*, **36** (1964) 604-11.
- G Quasim C, Dutta N L: Chemical investigation of cinchona heart-wood. *Glycosides & Saponin*, (1964) 12.
- E Sethi M L, Atal C K: Phytochemical studies on the genus *Crotalaria* Part IV. A phytochemical investigation of seeds of *C. anagyroides*. *Planta med*, **12** (1964) 173-76.
- G Shanbhag S N, Mesta C K, Maheshwari M L, Paknikar S K, Bhattacharya S C: Jatamansin, a new terpenic coumarin from *Nardostachys jatamansi*. *Tetrahedron*, **20** (1964) 2605.
- F Shukla V S, Hazarika J N, Rao P R: Indian Oil of wintergreen. *Indian Oil Soap J*, **29** (9) (1964) 227-28.
- G Soman R, Sukh Dev: The diterpenoids of *Erythroxylon monogynum*-II, Devadarool, A new type of tetracyclic diterpenoid. *Tetrahedron Lett*, (1964) 1181.
- G Soman R, Sukh Dev, Misra R, Pandey R C: The diterpenoids of *Erythrox-*

- ylon monogynum*—IV. Allulevadarool, devadarool & hydroxydevadarool. *Tetrahedron Lett*, (1964) 3767.
- C Srivastava J G: On the identity of certain aromatic materials—‘Sugandh-kokila’. *Indian Perfum*, **8** (1964) 11-12.
- A Sur R N, Pradhan S N: Studies on Cissampelos alkaloids: I—Action of hayatin derivatives on the central nervous system of cats and dogs. *Arch int Pharmacodyn Ther*, **152** (1964) 106-14.
- E Tej Singh, Handa K L: Quality of *Digitalis lanata* growing in India. *Indian J Pharm*, **26** (1964) 107-09.

1965

- A Ali Rashid, Agarwala S C: Mode of action of psoralen in pigment production: Part III—Photooxidation of dihydroxyphenylalanine in the presence of psoralen. *Indian J Biochem*, 2 (1965) 271-74.
- A Bhatnagar A K, Bhattacharji S: Thin layer chromatography of bisbenzylisoquinoline alkaloids. *Indian J Chem*, 3 (1965) 43-44.
- A Bhatnagar A K, Bhattacharji S, Popli S P: On the identity of vasicinol. *Indian J Chem*, 3 (1965) 525.
- G Bhattacharya S C, Chakravarti K K, Kalsi P S, Nerali S B: Structure of iso-petchoulene; a new sesquiterpene ketone from the oil of *Cyperus scariosus*. *Tetrahedron Lett*, (1965) 4053.
- A Chak I M, Sharma J N: Effect of asarone on experimentally induced conflict neurosis in rats. *Indian J exp Biol*, 3 (1965) 252-54.
- A Chatterjee N, Rastogi R P, Dhar M L: Chemical examination of *Bacopa monniera* Wettst.: Part II—The constitution of bacoside A. *Indian J Chem*, 3 (1965) 24-29.
- F Choudhuri S B, Kothari M S: Japanese mint in Assam. *J Assam Sci Soc*, 8 (1965) 61-66.
- A Datta J K, Kamboj V P, Kar Amiya B: Effect of metaxylohydroquinone on the response of the accessory genital organs of gonadectomized male and female rats to homologous sex hormones. *Indian J med Res*, 53 (1965) 1186-90.
- G Hinge V K, Wagh A D, Paknikar S K, Bhattacharya S C: Constituents of Indian black dammar resin. *Tetrahedron*, 21 (1965) 3197.
- G Kapadi A H, Sobti R R, Sukh Dev: The diterpenoids of *Erythroxylon monogynum*—V. Atisirene, isoatisirene and devadarene. *Tetrahedron Lett*, (1965) 2729.
- G Kapadia V H, Nagasampagi B A, Naik V G, Sukh Dev: Structure of mustakone and copanene. *Tetrahedron*, 21 (1965) 607.
- E Kapoor L D: Vegetable raw materials yielding tropane in India. *Indian Drugs*, 3 (1965-66) 33-42.
- E Mir G N, Ray Ghatak B J: Pharmacological investigation of imperialine—an alkaloid from *Fritillaria imperialis* Linn. *Indian J exp Biol*, 3 (1965) 249-52.
- C Mitra C R, Misra G: *Mimusops hexandra*—I. Constituents of fruit and seed. *Phytochemistry*, 4 (1965) 345-48.

- C Mitra G C, Chandra Prabha, Chaturvedi H C: Histogenesis of callus tissue from different organs of *Rauvolfia serpentina* Benth. in tissue culture. *Indian J exp Biol*, **3** (1965) 216-22.
- E Prabhakar V S, Handa K L: A note on the estimation of solasodine & tomatidine in *Solanum aviculare* & *Solanum lycopersicum* leaves. *J Instn Chem India*, **37** (1965) 65-66.
- E Sarin Y K: Medicinal, quasi- medicinal & economic plants of Bhadarwah forest division. *Indian For*, **91** (1965) 559-72.
- G Shanbhag S N, Mesta C K, Maheshwari M L, Bhattacharya S C: Constituents of *Nardostachys jatamansi*. Synthesis of (\pm) dihydrosamidin & visnadin from jatamansin. *Tetrahedron*, **21** (1965) 3591.
- E Sharma R K, Kasture A V, Kapoor K K, Atal C K: Phytochemical investigation of the genus *Crotalaria*: Part V—Occurrence of tertiary bases & their N-oxides in Indian *Crotalaria*. *Lloydia*, **28** (1965) 209-11.
- E Sharma R K, Khajuria G S, Atal C K: TLC of pyrrolizidine alkaloids. *J Chromat*, **19** (1965) 433-34.
- C Singh P: Pharmacognosy of *Viola odorata* L. and its adulterants. *Quart J Crude Drug Res*, **5** (1965) 712-19.
- C Singh P: Pharmacognostic study of root and stem of *Argyreia speciosa* Sweet. *Quart J Crude Drug Res*, **5** (1965) 774-83.
- C Singh P: Pharmacognosy of root of *Bragantia wallichii* R. Br. *Quart J Crude Drug Res*, **5** (1965) 890-95.
- C Srivastava J G: On the identity of certain medicinal plants of Lucknow bazars. 1. 'Ratan-Jot'. *Quart J Crude Drug Res*, **5** (1965) 674-85.
- G Chemical investigation of *Ougeinia dalbergioides* Benth. *J Indian chem Soc*, **42** (1965) 381.

1966

- E Atal C K, Shah K C: TLC patterns of some volatile oils & crude drugs & their adulterants. *Indian J Pharm*, **28** (1966) 162-63.
- E Atal C K: Alkaloids of *Crotalaria rubiginosa* Willd. Trichodesmine & Junceine. *Aust J Chem*, **19** (1966) 2189-91.
- E Atal C K, Girotra R N, Dhar K L: Occurrence of sesamin in *Piper longum* Linn. *Indian J Chem*, **4** (1966) 252.
- E Atal C K, Kapoor K K, Culvenor C C J, Smith L W: A new pyrrolizidine amino alcohol in alkaloids from *Crotalaria* species. *Tetrahedron Lett*, (6) (1966) 537-44.
- A Battersby A W, Kapil R S, Bhakuni D S, Popli S P: New alkaloids from *Alangium lamarckii* Thw. *Tetrahedron Lett*, No. 41 (1966) 4965-71.
- A Bhatnagar A K, Popli S P: Mass fragmentation of the alkaloids of *Adhatoda vasica* Nees. *Indian J Chem*, **4** (1966) 291-92.
- G Chatterjee A, Kundu S K, Rao A S: Isolation of fernenol, a new terpenic alcohol from *Artemisia vulgaris*. *Tetrahedron Lett*, (1966) 1043.
- F Choudhuri S B, Hazarika J N: Seasonal variations in the alkaloid contents of *Solanum khasianum* Clarke. *Curr Sci*, **35**(7) (1966) 187.
- E Janaki Ammal E K, Singh S D, Dhar R D: On the occurrence of natural population of *Rauvolfia serpentina* in Jammu. *Curr Sci*, **35** (1966) 132.
- E Kapoor L D: Drug cultivation: Retrospect and prospect. *Indian Drugs*, **4** (12) (1966-67).
- E Madan C L, Gupta U S, Khanna R K: The distribution of the total alkaloids in the different organs of some *Datura* species/varieties. *Curr Sci*, **35** (1966) 311-12.
- E Mir G N, Ray Ghatak B J: Pharmacological studies of *Fritillaria imperialis* L. *Indian J exp Biol*, **4** (1966) 157-60.
- C Misra R C: Morphological studies on *Sisymbrium irio* Linn. *J Indian bot Soc*, **45** (1966) 14-23.
- C Misra G, Mitra C R: *Mimusops hexandra*—II: Constituents of bark and seed. *Phytochemistry*, **5** (1966) 535-38.
- E Pandotra V R, Husain A: Fungi on medicinal and aromatic plants in the North-West Himalayas—IV: *Mycopathol Mycol appl*, **29** (1966) 155-60.

- A Rastogi R C, Vohra M M, Rastogi R P, Dhar M L: Studies on *Carissa carandas* Linn.: Part I—Isolation of cardioactive principles. *Indian J Chem*, **4** (1966) 132-38.
- E Sawhney R S, Atal C K: Phytochemical studies on the genus *Crotalaria*—Part VI—Isolation of integerrimine & β -sitosterol from *C. brevifolia*. *Indian J Pharm*, **28** (1966) 274-75.
- C Singh A, Srivastava S N: Chemical examination of *Euphorbia dracunculoides* Lam. *Indian J Chem*, **4** (1966) 420.
- C Singh A, Srivastava S N, Kapoor L D: *Paris polyphylla* Smith—A source of diosgenin. *Indian J Chem*, **4** (1966) 460-61.
- C Singh P: On the root of *Limonia acidissima* Auct. *Quart J Crude Drug Res*, **6** (1966) 916-19.
- C Srivastava J G: On the identity of certain aromatic materials—'Sugandh-bala'. *Indian Perfum*, **10** (1966) 35-37.
- C Srivastava J G: The 'soma' plant. *Quart J Crude Drug Res*, **6** (1966) 809-18.
- A Tandon J S, Agarwal K P: Chemical examination of *Kochia trichophylla*. *Indian J Chem*, **4** (1966) 545.
- A Tandon J S, Agarwal K P, Dhar M M: The chemistry of the triterpenoids from *Randia dumetorum*. *Indian J Chem*, **4** (1966) 483-87.
- A Vohra M M, Patnaik G K, Kapil R S, Anand N: Chemistry and pharmacology of a glycoside of *Vallaris solanacea*. *J pharm Sci*, **55** (1966) 1425-28.

1967

- A Basu N, Rastogi R P: Triterpenoid saponins and sapogenins. *Phytochemistry*, **6** (1967) 1249-70.
- A Basu N, Rastogi R P, Dhar M L: Chemical examination of *Bacopa monniera* Wettst.: III—Bacoside B. *Indian J Chem*, **5** (1967) 85-86.
- A Battersby A S, Byrne J C, Gregory H, Popli S P: The constitutions of fruticosine and fruticosamine. *J chem Soc Chem Comm.* (1967) 786-88.
- A Battersby A R, Byrne J C, Gregory H, Popli S P: Alkaloids of *Kopsia* species: Part II—The constitution of fruticosine and fruticosamine. *J chem Soc, Sec C*, (1967) 813-19.
- A Bhatnagar A K, Popli S P: Chemical examination of the roots of *Cissampelos pareira* Linn.: Part V—Structure and stereochemistry of hayatidin. *Experientia*, **23** (1967) 242-43.
- A Bhatnagar A K, Popli S P: Chemical examination of the roots of *Cissampelos pareira* Linn.: Part III—Structure and stereochemistry of hayatinin. *Indian J Chem*, **5** (1967) 102-04.
- A Bhatnagar A K, Bhattacharji S, Roy A C, Popli S P, Dhar M L: Chemical examination of the roots of *Cissampelos pareira* Linn.: IV—Structure and stereochemistry of hayatin. *J org Chem*, **32** (1967) 819-20.
- C Chandra V: Studies on cultivation of *Plantago ovata* Forsk. *Indian J Pharm*, **29** (1967) 331-32.
- C Chandra V: Isabgol—*Plantago ovata* Forsk. *Indian Drugs*, **5** (1967-68) 21-25.
- C Chandra V: Production of *Solanum* spp. for steroidal hormones. *Indian Drugs*, **5** (1967-68) 57-67.
- G Chawla Asha, Sukh Dev: A new class of triterpenoids from *Ailanthus malabarica* DC.—derivatives of malabaricane. *Tetrahedron Lett*, (1967) 4837.
- F Choudhuri S B: Yield and quality of oil of Citronella grown at Jorhat. *Indian Oil Soap J*, **32** (9) (1967) 253-55.
- F Choudhury S B: Note on the quality of oil of Lemongrass grown in Assam. *J Assam Sci Soc*, (1967) 10.
- E Dhar K L, Atal C K: Occurrence of N—Isobutyldeca *trans*-2 *trans*-4 -

- dienamide in *Piper longum* Linn. & *Piper peepuloides* Royle. *Indian J Chem*, **5** (1967) 588-89.
- E Dhar R D: Morphology & alkaloid content of two races of *Rauvolfia serpentina* from Kerala. *Proc Indian Acad Sci*, **65B** (1967) 106-107.
- G Dixit S M, Rao A S, Paknikar S K: Examination of essential oil from *Seseli indicum*. *Chem & Ind*, (1967) 1256.
- E Gupta O P, Ray Ghatak B J: Pharmacological investigations of *Saussurea lappa* Clarke. *Indian J med Res*, **55** (1967) 1078-83.
- E Husain A, Janardhanan K K: Effect of seed dressing fungicides on germination of belladonna. *Labdev J Sci Technol*, **5** (1967) 158.
- E Janaki Ammal E K, Dhar R D: Heredity versus environment in the production of alkaloids in *Rauvolfia serpentina*. *Proc Indian Acad Sci*, **65B** (1967) 103-05.
- G Janaki N, Ingle T R: An improved method for the isolation of curcumin from turmeric (*Curcuma longa* L.). *J Indian chem Soc*, **44** (1967) 985.
- G Kapadia V H, Naik V G, Wadia M S, Sukh Dev: Sesquiterpenoids from the essential oil of *Cyperus rotundus*. *Tetrahedron Lett*, (1967) 4661.
- E Madan C L: Paper chromatographic study of the free & bound aminoacids in *Rauvolfia serpentina* Benth. *Planta med*, **15** (1967) 118-120.
- C Misra G, Mitra C R: Constituents of fruit and seed of *Mimusops elengi*. *Phytochemistry*, **6** (1967) 453.
- C Misra G, Mitra C R: Constituents of bark of *Mimusops elengi*. *Phytochemistry*, **6** (1967) 1309.
- E Moza P N, Jaswant Singh, Atal C K: A simple method for estimation of total alkaloids in Ashwagandha. *J Res Indian Med*, **2** (1967) 77-78.
- C Narain P, Khoshoo T N: An indigenous source of colchicine. *Indian J Pharm*, **29** (1967) 341-42.
- G Nerali S B, Chakravarti K K: Structure of cyperenol and patchoulenol. *Tetrahedron Lett*, (1967) 2447.
- B Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 15: Newer alkaloids from *Alangium lamarckii* Thw. *Tetrahedron Lett*, (1967) 2143, 2431.
- B Pakrashi S C, Majumdar P: Studies on Indian medicinal plants. Part 13: Isolation of arborinone from *Glycosmis arborea* (Roxb.) DC. *Indian J Chem*, **5** (1967) 129.
- B Pakrashi S C, Samanta T B: Studies on Indian medicinal plants. Part 16:

- Acid induced epimerization and rearrangements of arborinol, the novel triterpene from *Glycosmis arborea* (Roxb.) DC. *Tetrahedron Lett*, (1967) 3679, 4392.
- B Pakrashi S C, Samanta T B: Studies on Indian medicinal plants. Part 20: Acid induced epimerization of C-3 hydroxyl function during lactonization of betulinic acid: exclusive axial alcohol by alkali metal and metal hydride reduction of 3-keto-triterpene lactone. *Indian J Chem*, 7 (1969) 522.
- A Patnaik G K, Vohra M M: Cardiac effects of hayatin methochloride and other histamine releasers. *Indian J exp Biol*, 5 (1967) 91-95.
- E Pijewska L, Kaul J L, Joshi R K, Santavy F: Substances from the plants of the subfamily *Wurmbaeoideae* & their derivatives LXVI—The presence of alkaloids in some tribes of the subfamily *Wurmbaeoideae*. *Collect Czech chem Commun*, 32 (1967) 158-70.
- E Pratap Singh: Comparative diagnostic characters of stem of medicinal digitalis of USSR. *Quart J Crude Drug Res*, 7 (1967) 975-81.
- G Quasim C, Dutta N L: Chemical investigation of *Asteracantha longifolia* Nees (Acanthaceae). *J Indian chem Soc*, 44 (1967) 82.
- A Rastogi R C, Rastogi R P, Dhar M L: Studies on *Carissa carandas* Linn.: Part II—The polar glycosides. *Indian J Chem*, 5 (1967) 215-16.
- E Sawhney R S, Girotra R N, Atal C K, Culvenor C C J, Smith L W: Phytochemical studies on genus *Crotalaria* Part VII—Major alkaloids of *C. mucronata*, *C. brevifolia* and *C. laburnifolia*. *Indian J Chem*, 5 (1967) 655-56.
- A Seth R K, Ray G K: A method for the estimation of emetine. *Indian J Pharm*, 29 (1967) 130-32.
- E Sharma M L, Singh G B, Ray Ghatak B J: Pharmacological investigations on *Crotalaria agathiflora* Schwenf. *Indian J exp Biol*, 5 (1967) 149-50.
- C Srivastava J G: On the identity of certain aromatic materials — 'Sugandhamantri'. *Indian Perfum*, 11 (2) (1967) 27-29.
- C Srivastava J G: Botanical studies of some Ayurvedic and Yunani plants. 2. 'Nishoth'. *Quart J Crude Drug Res*, 7 (1967) 1097-1106.
- E Suri O P, Atal C K: Isolation of monocrotaline and crispatine from *Crotalaria leschenaultii*. *Curr Sci*, 36 (1967) 614-15.
- E Zutshi U: Interspecific hybrids in *Solanum*—I: *Solanum indicum* Linn. and *S. incanum* Linn. *Proc Indian Acad Sci*, 65B (1967) 111-13.

1968

- E Amar Nath, Gupta F C: Antitubercular activity of *Saussurea lappa* Clarke *in vitro*. *Indian J Microbiol*, **8** (1968) 273.
- A Anwar Falak, Popli S P, Srivastava R M, Khare M P: Studies on medicinal plants: Part III—Protoberberine alkaloids from the roots of *Cissampelos pareira* Linn. *Experientia*, **24** (1968) 999.
- A Bhagirath Singh, Rastogi R P: Chemical examination of *Centella asiatica* Linn.: III—Constitution of brahmic acid. *Phytochemistry*, **7** (1968) 1385-93.
- A Bhakuni D S, Dhar M M: Crotsparine, a new proaporphine alkaloid from *Croton sparsiflorus* Morong. *Experientia*, **24** (1968) 10-11.
- A Bhakuni D S, Dhar M M, Sharma V N: The chemistry of thespesin. *Experientia*, **24** (1968) 109-10.
- A Bhakuni D S, Kapil R S: Loganin from *Mytragyna parvifolia* Korth. *Experientia*, **24** (1968) 1185.
- A Bhakuni D S, Shoeb A, Popli S P: Studies in medicinal plants: Part I—Chemical constituents of *Berberis asiatica* Roxb. *Indian J Chem*, **6** (1968) 123.
- G Bhalla V K, Nayak U R, Sukh Dev: Some new flavonoids from *Psoralea corylifolia*. *Tetrahedron Lett*, (1968) 2401.
- F Bordoloi D N, Ganguly D: Field production of Ergot at Jorhat (Assam). *Proc Ind Sci Congr Assoc Agri Sci*, Pt III (1968) X 580.
- E Chandhoke N, Ray Ghatak B J: Pharmacological investigations of the extract of *Piper peepuloides* Roxb. *Indian J exp Biol*, **6** (1968) 33-35.
- C Chandra V, Srivastava S N, Kapoor S L, Singh A, Kapoor L D: *Dioscorea deltoidea* Wall. ex Griseb., its availability, propagation and method of evaluation of tubers for diosgenin. *Indian Drugs*, **6** (1968-69) 7-11.
- A Dhar M L, Dhar M M, Mehrotra B N, Ray C: Screening of Indian plants for biological activity: Part I. *Indian J exp Biol*, **6** (1968) 232-47.
- G Dutta N L, Quasim C: Isolation and characterisation of glycosides and alkaloids from heart-wood of *Cinchona ledgeriana* Linn. *Indian J Chem*, **6** (1968) 566.
- C Garg H S, Mitra C R: *Putranjiva roxburghii* —I. Constituents of seed coat. *Planta med*, **16** (1968) 17-19.

- F Iyengar M S: Possibilities of production of steroid hormones from *Solanum khasianum*. *Indian Drugs Pharmac Ind*, **3** (6) (1968) 13-14.
- C Kapoor L D: Vegetable resources for the production of diosgenin in India. *Indian Drugs*, **6** (1968) 11-13.
- C Misra G, Mitra C R: Constituents of leaves, heartwood and root of *Mimusops elengi*. *Phytochemistry*, **7** (1968) 501-502.
- C Misra G, Mitra C R: *Mimusops hexandra* III: Constituents of root, leaves and mesocarp. *Phytochemistry*, **7** (1968) 2173-76.
- C Mitra G C: *In vitro* growth of excised roots of *Rauvolfia serpentina* in continuous culture. *Indian J exp Biol*, **6** (1968) 230-31.
- G Namboodripad G P, Kulkarni G H, Kelkar G R: Isolation of taraxasterol and its acetate from leaves of *Saussurea lappa* Clarke. *Curr Sci*, **37** (1968) 550.
- B Pakrashi S C, Bhattacharyya J: Studies on Indian medicinal plants. Part 14: Interrelationships among the quinazoline alkaloids from *Glycosmis arborea* (Roxb.) DC. *Tetrahedron*, **24** (1968) 24.
- B Pakrashi S C, Bhattacharyya J, Mookerjee S, Samanta T B, Vorbrueggen H: Studies on Indian medicinal plants. Part 18: Nonalkaloidal constituents of *Alangium lamarckii* Thw. *Phytochemistry*, **7** (1968) 461.
- B Pakrashi S C, De A, Chattopadhyay S: Studies on 4-quinazolinones. Part I: Convenient synthesis of glycosminine and arborine from *Glycosmis arborea* and related 4-quinazolinones. *Indian J Chem*, **6** (1968) 472.
- B Pakrashi S C, Dutta S, Ghosh Dastidar P P: Studies on Indian medicinal plants. Part 17: Phytochemical examination of *Carissa* spp. *Phytochemistry*, **7** (1968) 495.
- E Sawhney R S, Atal C K: Phytochemical studies on the genus *Crotalaria*: Part VIII—Chemical constituents of *Crotalaria mysorensis* Roth. *J Indian chem Soc*, **45** (1968) 1052-53.
- C Sharma N K, Sharma V N: Chemical examination of *Justicia gendarussa*. *Tech Comm nat bot Gdns, Lucknow*, (1968) 129-30.
- C Singh L B, Srivastava G S: Some new introduction of medicinal plants at Lucknow. *Tech Comm nat bot Gdns, Lucknow*, (1968) 1-10.
- C Sitholey R V: The identity of 'gul-e-gaozaban' and 'tukhm-e-gaozaban'. *Indian J Pharm*, **30** (1968) 167.
- C Srivastava J G: Botanical studies of some Ayurvedic and Yunani plants. I. 'Bridhara'. *Quart J Crude Drug Res*, **8** (1968) 1289-97.

1969

- C Ahmad K J: Pharmacognosy of the leaf and root of *Barringtonia acutangula* Gaertn. *Planta med*, **17** (1969) 338-45.
- E Atal C K, Culvenor, C C J, Sawhney R S, Smith L W: The alkaloids of *Crotalaria grahamiana*. Grahamine, the 3' -[(-) - 2 - methylbutyryl] ester of Monocrotaline. *Aust J Chem*, **22** (1969) 1773-77.
- C Bammi R K, Hall V L, Randhawa G S, Srivastava S N, Kapoor L D, Leela D: *Dioscorea* improvement I. Preliminary report of project development, plant collection, selection, adaptation and domestic potential. *Indian J Hort*, **26** (1969) 42-46.
- A Bhagirath Singh, Rastogi R P: Chemical investigation of *Asclepias curassavica* Linn. *Indian J Chem*, **7** (1969) 1105-10.
- A Bhagirath Singh, Rastogi R P: A re-investigation of the triterpenes of *Centella asiatica*. *Phytochemistry*, **9** (1969) 917-21.
- A Bhakuni D S, Dhar M L, Dhar M M, Dhawan B N, Mehrotra B N: Screening of Indian plants for biological activity: Part II. *Indian J exp Biol*, **7** (1969) 250-62.
- A Bhakuni D S, Dhar M M: Crotosparinine, a dihydroproaporphine alkaloid from *Croton sparsiflorus*. *Experientia*, **25** (1969) 355.
- C Bhalla T N, Gupta M B, Gupta G P, Mitra C R, Bhargava K P: Triterpenoids from plants as anti-inflammatory agents. *Indian J Pharm*, **1** (1969) 12.
- F Bordoloi D N, Ganguly D: Field production of Ergot at Jorhat, Assam. *Proc Indian Sci Congr*, pt III (1969) 580.
- C Chandra Satish: The Ayurvedic drug — 'Bhringraj'. *Quart J Crude Drug Res*, **9** (1969) 1961-68.
- C Chandra V: Liquorice — Botany and cultivation. *Indian Drugs*, **7** (1969-70) 41-43.
- A Dubey M P, Srimal R C, Dhawan B N: A preliminary report on hypotensive activity of some new proaporphine bases from *Croton sparsiflorus* Morong. *Indian J Pharmacol*, **1** (1969) 73-75.
- G Gupta G L, Nigami S S, Sastry S D, Chakravarti K K: Investigation on the essential oil from *Cajanus cajan*. *Perfum essent Oil Rec*, **60** (1969) 329.
- A Gupta N C, Bhagirath Singh, Bhakuni D S: Steroids and triterpenes from

Alangium lamarckii, *Allamanda cathartica*, *Abrus precatorius* and *Holoptelea integrifolia*. *Phytochemistry*, **8** (1969) 791-92.

- A Gupta R K, Dhar M M: Naphthoic acid derivatives from *Diospyros ebenum*. *Phytochemistry*, **8** (1969) 789-90.
- E Jagdev Singh, Dhar K L, Atal C K: Crotopoxide an antitumour principle from *Piper hookeri* stems. *Curr Sci*, **38** (1969) 471.
- E Jagdev Singh, Dhar K L, Atal C K: Studies on the genus *Piper*—IX. Structure of trichostachine, an alkaloid from *Piper trichostachyon*. *Tetrahedron Lett*, **56** (1969) 4975-78.
- C Kapoor L D, Singh A, Kapoor S L, Srivastava S N: Survey of Indian plants for saponins, alkaloids and flavonoids—I. *Lloydia*, **32** (1969) 297-304.
- C Khanna R K, Shukla D S: Cultural and chemical studies on some tuberous plants used in the Ayurvedic system of medicine, Pt. I. *Pueraria tuberosa* DC. *Indian Drugs*, **7** (1969-70) 15-16.
- A Kureel S P, Kapil R S, Popli S P: The synthesis of (\pm)-mahanimbine and bicyclomahanimbine. *J chem Soc chem Comm*, (1969) 1120-21.
- A Kureel S P, Kapil R S, Popli S P: Terpenoid alkaloids from *Murraya koenigii* Spreng.: II—The constitution of cyclomahanimbine, bicyclomahanimbine and mahanimbidine. *Tetrahedron Lett*, No. 44 (1969) 3857-62.
- A Kureel S P, Kapil R S, Popli S P: New alkaloids from *Murraya koenigii* Spreng. *Experientia*, **25** (1969) 790.
- C Misra G, Mitra C R: *Mimusops manilkara*: Constituents of fruit and seed. *Phytochemistry*, **8** (1969) 249-52.
- C Misra G, Nigam S K, Mitra C R: Constituents of *Mimusops manilkara* leaves and saponins of *Mimusops* seed kernels. *Phytochemistry*, **8** (1969) 2255-56.
- G Narayanan C R, Pachapurkar R V, Sawant B M, Wadia M S: Vepinin, a new constituent of neem oil. *Indian J Chem*, **7** (1969) 187.
- G Nerali S B, Chakravarti K K: Structure & stereochemistry of scariodione, a new sesquiterpene enedione from the oil of *Cyperus scariosus*. *Sci & Cult*, **35** (1969) 110.
- A Nityanand Swarn: Effect of linseed oil on experimental atherosclerosis. *Indian J exp Biol*, **7** (1969) 58-59.
- B Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 19: Alangamide, a new alkaloid from the seeds of *Alangium lamarckii* Thw. *Indian J Chem*, **7** (1969) 635.
- E Prasad S, Jamwal R K: Production of concentrated pyrethrum extract. *Chem & Ind*, (1969) 756-57.

- E Rajput P L, Atal C K: Alkaloid composition of the bark of *Strychnos nux-vomica*. *Indian J Pharm*, **31** (1969) 87-88.
- A Rastogi R C, Kulshreshtha D K, Rastogi R P: Cardioactive constituents of *Carissa spinarum* Linn. *Indian J Chem*, **7** (1969) 1102-04.
- E Sastry K S M: Investigation & control of some important diseases of medicinal plants. *Indian Phytopath*, **22** (1969) 140-42.
- A Sethi Nirmal: Chronic toxicity study of *Paspalum scrobiculatum* extract in rats. *Indian J Physiol Pharmacol*, **13** (1969) 185-88.
- A Shukla Y N, Tandon J S, Bhakuni D S, Dhar M M: Chemical constituents of the antibiotic fraction of *Arnebia nobilis*. *Experientia*, **25** (1969) 357-53.
- E Singh G B, Sharma M L, Ray Ghatak B J: Pharmacological investigations of usaramine, an alkaloid isolated from *Crotalaria brevifolia*. *Indian J exp Biol*, **7** (1969) 144-47.
- C Srivastava S N, Singh A, Sharma V N: Chemical examination of *Polygonatum verticillatum*. *Indian J Pharm*, **31** (1969) 31-32.

1970

- A Bhagirath Singh, Rastogi R P: Cardenolides—Glycosides and genins. *Phytochemistry*, **4** (1970) 315-31.
- A Bhakuni D S, Satish Sheo, Dhar M M: The alkaloids of *Croton sparsiflorus*. *Phytochemistry*, **9** (1970) 2573-80.
- A Bhakuni D S, Gupta N C, Dhar M M: Cocsulin: a new bisbenzylisoquinoline alkaloid from *Cocculus pendulus* Diels. *Experientia*, **26** (1970) 241-42.
- F Bordoloi D N, Baruah H K: Studies on the distribution of certain fungi in tea plantation soil and air. *J Univ Gauhati*, **18-19** (1970) 153-70.
- C Bhatnagar S C, Sinha M K: Chemical examination of *Jatropha curcas*. *Indian J Chem*, **8** (1970) 1047.
- E Bradu B L, Atal C K: Cultivation of *Ammi majus* Linn. in Jammu. *Indian J Pharm*, **32** (1970) 165-66.
- C Chandra Satish: Indigenous floral drugs of India — A new material for palynological investigations. *Palynol Bull*, **5** (1970) 1-6.
- C Chandra Satish: The Ayurvedic drug 'Sahdevi' (*Vernonia cinerea* Less.). *Quart J Crude Drug Res*, **10** (1970) 1966-71.
- C Chandra V, Kapoor L D: Medicinal and aromatic plants used in pharmaceutical industry, Part—I. *Indian Drugs*, **8** (1970-71) 47-52.
- C Chandra V, Singh B: Variation in solasodine content of fruit of *Solanum khasianum* at different stages of development at Lucknow. *Indian For*, **96** (1970) 352-60.
- C Chandra V, Singh A, Kapoor L D: Studies on alkaloid bearing plants—I. *Withania somnifera* Dunal. *Indian Drugs Pharm Ind*, **40** (1970) 1-7.
- C Chaturvedi H C: Excised leaf growth of *Rauvolfia serpentina* Benth. in aseptic culture. *Plant Sci*, **2** (1970) 67-74.
- F Chaudhuri S B: Reserpine from *Rauvolfia serpentina* Benth. grown in Assam. *Chem Age India*, **21** (1970) 743.
- A Coxon D T, Holmes A, Ollis W D, Vora V C: The constitution and configuration of the theaflavin pigments of black tea. *Tetrahedron Lett*, **60** (1970) 5237-40.
- A Gupta N C, Bhakuni D S, Dhar M M: Pendulin, a new biscoclaurine alkaloid from *Cocculus pendulus* Diels. *Experientia*, **26** (1970) 12-13.
- C Gupta R C, Ansari M S, Kapoor L D: Pharmacognostical studies on 'Jivanti'—Pt. I. *Bull bot Surv India*, **12** (1970) 29-36.

- E Handa K L, Rao P R: Xanthotoxin from *Heracleum candicans*. *Res & Ind*, **15** (1970) 164-65.
- E Janaki Ammal E K, Zutshi U: Tetraploidy & alkaloid content in *Datura metel* Linn. *Proc Indian Acad Sci*, **71B** (1970) 1-3.
- C Kapoor L D: Possibility of growing opium poppy as a dual purpose crop. *Indian Drugs*, **8** (1970-71) 25-26.
- C Kapoor S L, Kapoor L D: A note on the occurrence of *Asparagus acerosus* Roxb. (Liliaceae) in the region of upper Gangetic plain and Assam. *Bull bot Surv India*, **12** (1970) 273.
- A Kureel S P, Kapil R S, Popli S P: Two novel alkaloids from *Murraya koenigii* Spreng.: mahanimbicine and bicyclomahanimbicine. *Chem & Ind*, (1970) 950.
- A Kureel S P, Kapil R S, Popli S P: Synthesis of koenine, koenimbine and girinimbine. *Chem & Ind*, (1970) 1262.
- A Kureel S P, Kapil R S, Popli S P: Terpenoid alkaloids from *Murraya koenigii* Spreng.: IV—Structure and synthesis of mahanimbicine. *Experientia*, **26** (1970) 1055.
- G Landge A B, Bose J L: Structure of disaccharide from *Asparagus racemosus* (Shatamuli). *Indian J Chem*, **8** (1970) 588.
- C Misra G, Nigam S K, Mitra C R: Triterpenoids of *Mimusops manilkara* trunk bark. *Phytochemistry*, **9** (1970) 2067.
- C Mitra C R, Garg H S, Pandey G N: Constituents of *Melia indica* — II. Nimbidic acid and nimbinin. *Tetrahedron Lett*, **32** (1970) 2761-64.
- G Nerali S B, Chakravarti K K, Paknikar S K: Rotundene and rotundenol, sesquiterpenes from *Cyperus scariosus*. *Indian J Chem*, **8** (1970) 854.
- A Pachauri S P, Mukherjee S K: Effect of *Curcuma longa* (Haridra) and *Curcuma amada* (Amragandhi) on the cholesterol level in experimental hypercholesterolaemia of rabbits. *J Res Indian Med*, **5** (1970) 27-31.
- B Pakrashi S C, Achari B: Studies on Indian medicinal plants. Part 24: Demethylcephaeline, a new alkaloid from *Alangium lamarckii*: characterization of AL60, the hypotensive principle from the stem-bark. *Experientia*, **26** (1970) 933.
- B Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 22: 16-hydroxy-(-) kauran-19-oic acid, a new diterpenoid from *Enhydra fluctuans* Lour. *Indian J Chem*, **8** (1970) 569.
- B Pakrashi S C, Ghosh Dastidar P P, Gupta S K: Studies on Indian medicinal plants. Part 21: Diterpenoids from *Enhydra fluctuans*. *Phytochemistry*, **9** (1970) 459.
- C Panday Y N, Murty A S: Studies on availability and germination of seeds of

- few medicinal plants growing around Lucknow. *Indian Drugs*, **8** (1970-71) 18-19.
- G Patil V B, Rama Rao A V, Venkataraman K: Cassiamin A, B & C. Three 2, 2-bianthraquinoyls in *Cassia siamea*. *Indian J Chem*, **8** (1970) 109.
- E Pratap Singh, Khan M A: Effect of virus infection on alkaloids content of *Datura innoxia* Mill. *Indian J Pharm*, **32** (1970) 93-95.
- G Rama Rao A V, Venkataraman K, Chakrabarti P, Sanyal A K, Bose P K: Five flavones from *Gardenia lucida*: Gardenins A, B, C, D and E. *Indian J Chem*, **8** (1970) 398.
- A Rastogi R C, Kapil R S, Popli S P: Picralinal, a key alkaloid of picralimin group from *Alstonia scholaris* R. Br. *Experientia*, **26** (1970) 1956.
- E Sawhney R S, Atal C K: Phytochemical studies on the genus *Crotalaria* Part IX—Integerrimine and usaramine from *Crotalaria incana* Linn. *J Indian chem Soc*, **47** (1970) 667-68.
- E Sawhney R S, Atal C K: Genus *Crotalaria* X—Methylethers of supinidine & heliotridine from *C. medicaginea* Lamk. *J Indian chem Soc*, **47** (1970) 741-42.
- A Seth R K, Sarin J P S: Application of ultrasonic energy for assay of ephedrine. *Indian J Pharm*, **32** (1970) 11.
- C Sharma P C, Kapoor L D: Pharmacognostic study in *Nerium indicum* Mill. ('Kaner') (syn. *N. odorum* Soland). *J Res Indian med*, **5** (1970) 39-49.
- C Singh C B, Motial V S: Effect of gibberellic acid (GA₃) and temperature on seed germination of *Rauvolfia serpentina*. *Plant Sci*, **2** (1970) 109-11.
- C Sitholey R V: The identity of 'gaozaban' flowers. *J Res Indian Med*, **5** (1970) 154.
- C Sitholey R V: The Unani drug 'gaozaban'. *Quart J Crude Drug Res*, **10** (1970) 1581-89.
- D Srinivasulu C, Srivastava S C, Mahapatra S N: Effect of ultrasonic waves on extraction of nuxvomica alkaloids. *Indian J Pharm*, **32** (4) (1970) 90.
- C Srivastava G S: Introduction of some exotic species of *Dioscorea* from seeds in the plains of northern India. *Sci & Cult*, **36** (1970) 106.
- E Srivastava J B: Insecticides and larvicide activity in the extracts of *Piper peepuloides* Royle (Piperaceae). *Indian J exp Biol*, **8** (1970) 224-25.
- C Srivastava J G: Some further observations on the 'Soma' plant. *Quart J Crude Drug Res*, **10** (1970) 1590-1600.
- E Tej Singh, Handa K L, Rao P R: Laevorotatory alkaloids of belladonna. *Res & Ind*, **15** (1970) 257-58.
- E Thakur R N, Sastry K S M: Studies of sclerotium root rot of *Datura innoxia* Mill. *Labdev J Sci Technol*, **8B** (1970) 115-16.

- D Yoganarasimhan S N, Dutta P K: Medicinal plants of Orissa-Plants in and around Bhubaneswar. *Nagarjun*, **14** (1970-71) 15-20.
- E Zutshi U, Atal C K: Scopoletin induced inhibition of germination in *Datura* species. *Herba hung*, **9** (1) (1970) 51-54.

1971

- A Agarwal S K, Rastogi R P: Triterpenoids of *Hibiscus rosa-sinensis* Linn. *Indian J Pharm*, **33** (1971) 41-42.
- B Ali E, Ghosh Dastidar P P, Pakrashi S C: Studies on Indian medicinal plants. Part 26: 17-hydroxy-(—)-kaur-15-en-19-oic acid from *Enhydra fluctuans* Lour. *Indian J Chem*, **9** (1971) 1166.
- C Awasthi Y C, Mitra C R: Constituents of *Melia indica* leaf. *Phytochemistry*, **10** (1971) 2842.
- C Awasthi D N, Srivastava G S: Preliminary observation on growing some medicinal *Dioscorea* species in Lucknow. *Indian Drugs*, **9** (1971-72) 13.
- F Baruah P P, Chaliha B P, Lodh S B: Citronella grass for board making. *J Assam Sci Soc*, **14**(1) (1971) 92-96.
- F Bhagat S D, Singh H D, Mathur R K, Gopinath K W, Ganguly D: Cultivation of Basil (*Ocimum basilicum* L.) at Jorhat (Assam), and the chemical composition of its oil. *Flavour Ind*, **2**(8) (1971) 481-89.
- A Bhakuni D S, Dhar M L, Dhar M M, Dhawan B N, Gupta B, Srimal R C: Screening of Indian plants for biological activity: Part III. *Indian J exp Biol*, **9** (1971) 91-102.
- A Bhakuni D S, Satish S, Shukla Y N, Tandon J S: Chemical constituents of *Diospyros buxifolia*, *D. tomentosa*, *D. ferra*, *D. lotus*, *Rhus parviflora*, *Polygonum recumbens*, *Balanites aegyptiaca* and *Pyrus pashia*. *Phytochemistry*, **10** (1971) 2829-31.
- E Bhat B K, Dhar A K: Seed dormancy in *Atropa belladonna*. *Indian J agric Sci*, **41** (1971) 761-64.
- E Bhat B K, Pandita P N, Dhar A K: Natural variation in medicinal plants *Atropa belladonna* and *Digitalis lanata*. *SABRAO News Lett*, **3** (1971) 27-31.
- F Bordoloi D N, Hazarika J N, Ganguly D: Wilt of *Solanum khasianum* Clarke caused by *Fusarium oxysporum* Schlect. *Indian Phytopath*, **24**(1971) 788-91.
- F Bordoloi D N, Rehena F, Choudhuri S B, Ganguly D: Experimental cultivation of ergot at Jorhat (Assam) and extraction of alkaloids. *Proc Indian Acad Sci*, **73B** (5) (1971) 251-63.

- C Chandra Satish, Singh Ajay: A lichen crude drug (Chharila) from India. *J Res Indian Med*, **6** (1971) 209-15.
- C Chandra V: Cultivation of medicinal and aromatic plants used in pharmaceutical industry—II. *Indian Drugs*, **9** (1971-72) 14-18.
- C Chandra V, Srivastava S N: Studies on *Catharanthus roseus* G. Don (*Vinca rosea* L.). *Indian J Pharm*, **33** (1971) 126.
- A Dhar M L: Some aspects of research on medicinal plants of India. *East Pharm*, (1971) 25-29.
- A Dubey M P, Srimal R C, Dhawan B N: Analysis of hypotensive activity of N-methylcrotsparine, an alkaloid from *Croton sparsiflorus* Morong. *Indian J Pharmacol*, **3** (1971) 18.
- D Dutta P K: Introduction of medicinal and aromatic plants in Orissa region. *Indian J Pharm*, **33** (3) (1971) 92-94.
- G Gupta A S, Sukh Dev: Triterpenes from the oleoresin of *Dipterocarpus pilosus*, hullonydeone and dipterocarpolic acid. *Tetrahedron*, **27** (1971) 823.
- G Gupta A S, Sukh Dev: Sesquiterpenes from oleoresin of *Dipterocarpus pilosus*: Humulene epoxide-III, Caryophyllenol-II & Caryophyllenol-III. *Tetrahedron*, **27** (1971) 635.
- C Gupta R C, Ansari M S, Kapoor L D: Pharmacognostical studies on *Paederia foetida* Linn. *Quart J Crude Drug Res*, **11** (1971) 1697-1711.
- C Gupta R C, Kapoor L D: Pharmacognostical studies on 'Jivanti'—Part II. *Leptadenia reticulata* Wight & Arn. (syn. *Gymnema aurantiacum* Wall. ex. Hook. f. and *Asclepias tuberosa* Roxb.). *Bull bot Surv India*, **13** (1971) 53-63.
- C Gupta R C, Sharma P C, Kapoor L D: Pharmacognostical study of the leaf of *Calotropis procera* (Ait.) R. Br. (Akra). *J Res Indian Med*, **6** (1971) 167-72.
- F Iyengar M S: Contribution of RRL Jorhat in the field of essential oils, chemicals, pharmaceutical and perfumery industry. *Dye Chem Plas Annual*, (1971) 35-38.
- A Kapil R S, Shoeb A, Popli S P: Alangiside, a monoterpenoid lactam. *J chem Soc chem Comm*, (1971) 904-05.
- C Kapoor L D, Kapoor S L, Srivastava S N, Singh A, Sharma P C: Survey of Indian plants for saponins, alkaloids and flavonoids—II. *Lloydia*, **34** (1971) 94-102.
- C Kapoor L D, Mitra R: New method for determining purity of 'Henna' powder. *ISI Bull*, **23** (1971) 266-67.

- C Kapoor L D, Sharma P C, Kapoor S L: Medicinal plant wealth around religious shrines of India—I. Badrinath area. *J Res Indian Med*, **1** (1971) 87-94.
- E Kaul B L, Bradu B L: Studies on the induced mutations in medicinal plants. I—Spectrum of adult plant mutations in *Atropa belladonna*. *Planta med*, **20** (1971) 205-10.
- C Khan H A, Khan P S H: Introduction of the species of *Paederia* Linn. in National Botanic Gardens, Lucknow. *The Botanique*, **2** (1971) 133-36.
- A Kulshreshtha D K, Rastogi R P: Chemical constituents of *Quercus lanceae-folia*. *Phytochemistry*, **10** (1971) 2831-832.
- B Mahato S B, Banerjee S K, Chakravarti R N: Triterpenes of the stem-bark of *Artocarpus chaplasha*. *Phytochemistry*, **10** (1971) 1351.
- B Mahato S B, Sahu N P, Chakravarti R N: Chemical investigation of the leaves of *Euphoria longana*. *Phytochemistry*, **10** (1971) 2847.
- C Misra G, Nigam S K: Chemical examination of *Bridelia retusa* fruit. *Acta phytother Amst*, (1971) 45-47.
- C Misra G, Nigam S K, Mitra C R: Chemical examination of *Abelmoschus moschatus* leaf, flower and fruit. *Acta phytother Amst*, (1971) 134-36.
- C Mitra R, Kapoor L D: A comparative pharmacognostic study of the commercial samples of the 'Varun' bark. *J Res Indian Med*, **6** (1971) 175-82.
- C Mitra R, Kapoor L D: Pharmacognostical study of 'Mehndi'. *J Res Indian Med*, **6** (1971) 252-60.
- C Mitra R, Kapoor L D: Pharmacognostical studies of 'Varun' leaves. *J Res Indian Med*, **6** (1971) 281-86.
- C Motial V S, Singh C B, Singh R S, Khanna R K: Response of *Rauvolfia* to phosphorus and potash fertilization. *Indian Drugs*, **9** (1971-72) 59-63.
- E Nayar M N S, Sutar C V, Bhan M K: Alkaloid of the stem bark of *Hesperethusa crenulata*. *Phytochemistry*, **10** (1971) 2843-844.
- A Nityanand Swarn, Kapoor Narinder K: Hypocholesterolemic effect of *Commiphora mukul* resin (Guggul). *Indian J exp Biol*, **9** (1971) 376-77.
- E Padha C D, Nigam M C, Rao P R: A new method for the determination of hyoscyne, hyoscyamine & atropine in the total alkaloids of Belladonna. *J Instn Chem India*, **43** (1971) 5-9.
- B Pakrashi S C, Achari B: Studies on Indian medicinal plants. Part 25: Stigmasta-5, 22-25-trien-3-ol a new sterol from *Alangium lamarckii* Thw. *Tetrahedron Lett*, (1971) 365.

COMMUNITY HEALTH CELL

326, V Main, I Block

Koramangala

Bangalore-560034

India

02264

DR 435

- B Pakrashi S C, Ghosh Dastidar P P, Ali E: Studies on Indian medicinal plants. Part 23: Newer (-)-kaurene derivatives from *Enhydra fluctuans* Lour. *Indian J Chem*, **9** (1971) 84.
- G Pande B S, Krishnappa S, Bisarya S C, Sukh Dev: Cis- and trans- atlantones from *Cedrus deodara* Land. *Tetrahedron*, **27** (1971) 841.
- E Pandotra V R, Gupta J H, Sastry K S M: A note on the wilt disease of *Solanum laciniatum*. *Indian J Mycol Plant Pathol*, **1** (1971) 86-87.
- A Patnaik G K, Dhawan B N: Asclepin: a new cardioactive glycoside from *Asclepias curassavica*. *Indian J Pharmacol*, **5** (1971) 8.
- E Prabhakar V S, Sarin Y K, Atal C K: Utilization of wild daturas of N. W. India for commercial production of hyoscine. *Indian J Pharm*, **33** (1971) 35-36.
- E Prasad S, Jamwal R K: Agitation extraction from Pyrethrum flower & other cellular produce; a new technique. *Indian chem Eng*, **13** (2) (1971) 20-23.
- E Sastry K. S M, Khan M A: Mosaic virus complex of *Digitalis lanata* Ehrh. *Indian J Microbiol*, **11** (1971) 125-26.
- E Sharma M L, Ray Ghatak B J: Pharmacological properties of integerrmine; an alkaloid isolated from *Crotalaria brevifolia*. *Indian J exp Biol*, **9** (1971) 177-82.
- A Shukla Y N, Tandon J S, Bhakuni D S, Dhar M M: Naphthaquinones of *Arnebia nobilis*. *Phytochemistry*, **10** (1971) 1909-015.
- C Sitholey R V: Distinguishing characters of the species known as 'gaozaban'. *Quart J Crude Drug Res*, **11** (1971) 1818-825.
- A Srimal R C, Khanna N M, Dhawan B N: A preliminary report on anti-inflammatory activity of curcumin. *Indian J Pharmacol*, **3** (1971) 10.
- D Srinivasulu C, Mahapatra S N: A modified process for the isolation of hecogenin from *Agave sisalana*. *Res & Ind*, **16** (3) (1971) 183-84.
- C Srivastava G S: *Thevetia peruviana*, an ever blooming ornamental and useful tree. *Indian J ornam Hort*, **2** (1971) 10-13.
- C Srivastava G S, Shukla D S: A note on the possibility of cultivation of *Pimpinella anisum* at Lucknow. In Souvenir of 15th Annual Convention and All India Seminar on *Mentha arvensis* and *Mentha piperita* oils. *Indian Perfum* (Spl issue), (1971) 30-31.
- C Srivastava J G: The botanical identity of 'Pashanbhed' (Bhedi) of the Ayurvedic literature. *Quart J Crude Drug Res*, **11** (1971) 1683-691.
- C Srivastava J G: The botanical identity of 'Vacha' (Bachh) of the Ayurvedic literature. *Quart J Crude Drug Res*, **11** (1971) 1734-741.

- E Thakur R N: Occurrence of stem rot of *Crotalaria juncea* L. in Jammu & Kashmir. *Indian J Mycol Plant Pathol*, **1** (1971) 147-48.
- E Thakur R N, Sastry K S M: Studies on mosaic disease of *Solanum khasianum*. *Indian Phytopath*, **24** (1971) 127-30.
- C Zadoo S N, Khoshoo T N, Pal M: Genetic improvement in seed husk yield of isabgol (*Plantago ovata*). In *Proc Int Symp Subtropical Hort*, Bangalore. *Indian Institute of Horticultural Research, Bangalore*, (1971) 55-56.

1972

- B Ali E, Ghosh Dastidar P P, Pakrashi S C, Durham L J, Duffield A M: Studies on Indian medicinal plants. Part 28: Sesquiterpene lactones of *Enhydra fluctuans* Lour.: Structure of enhydrin, fluctuanin and fluctuadin. *Tetrahedron*, **28** (1972) 2285.
- F Anon: Cultivation and processing of *Solanum khasianum* and *Solanum laciniatum* for production of solasodine. *Mysore Ind Diary*, **6**(1) (1972) 35-8.
- F Anon: Prospects of commercial production of citronella oil in Assam. *Financing Agric*, **4**(1) (1972) 1-3.
- A Anwar F, Kapil R S, Popli S P: Terpenoid alkaloids from *Murraya koenigii* Spreng.: VII—Synthesis of 4-O-methylmahanine and related carbazoles. *Experientia*, **28** (1972) 769.
- A Anwar F, Kapil R S, Popli S P: Identity of glycozolidine. *Indian J Chem*, **10** (1972) 959.
- C Awasthi D N, Srivastava G S: Studies in seed sowing and seed germination in medicinal *Dioscorea* species. *Indian Drugs*, **10** (1972-73) 13.
- A Baldas J, Bick I R C, Ibuka Joshiro, Kapil R S, Porter O N: Mass spectrometry of bisbenzylisoquinoline alkaloids: Part III—Alkaloids derived from coclaurine units joined head to tail. *J chem Soc Perkin Trans 1*, (1972) 599-601.
- A Baldas J, Bick I R C, Ibuka Joshiro, Kapil R S, Porter O N: Mass spectrometry of bisbenzylisoquinoline alkaloids: Part III—Alkaloids derived from coclaurine units joined tail to tail. *J chem Soc Perkin Trans 1*, (1972) 592-96.
- E Bammi R K, Salvaraj Y, Sobti S N, Randhawa G S: Association of diosgenin content & colour of tuberflesh in *Dioscorea deltoidea* Wall. *Indian J Hort*, **29** (1972) 313-14.
- F Baruah A K S, Gupta N K, Bhagat S D, Mathur R K, Gopinath K W, Iyengar M S: Chemical composition of oil from *Eucalyptus citriodora* cultivated at Jorhat. *Flavour Ind*, **3** (8) (1972) 416-7.
- A Bhakuni D S, Kapil R S: Monoterpene glycosides from *Vinca rosea* Linn. *Indian J Chem*, **10** (1972) 454.
- A Bhakuni D S, Satish S, Dhar M M: Absolute configuration of isococlaurine. *Tetrahedron*, **28** (1972) 1093-95.

- A Bhakuni D S, Satish S, Dhar M M: Absolute configuration of crotsparine, crotsparinine and sparsiflorine. *Tetrahedron*, **28** (1972) 4579-82.
- A Bhakuni D S, Tewari Shobha, Dhar M M: The aporphine alkaloids of *Annona squamosa*. *Phytochemistry*, **11** (1972) 1819-22.
- B Bhattacharyya J, Pakrashi S C: Studies on Indian medicinal plants. Part 27: Elegantine, a new oxindole alkaloid from *Vinca elegantissima* Hort. *Tetrahedron Lett*, (1972) 159.
- A Chak I M, Patnaik G K: Local anaesthetic activity of *Plumeria rubra*. *Indian J Pharm*, **34** (1972) 10-11.
- C Chandra V, Srivastava S N: Diosgenin content in *Dioscorea deltoidea* Wall. ex Griseb. collected from Almora district of Uttar Pradesh. *Indian J Pharm*, **34** (1972) 6.
- C Chandra V, Mitra R, Kapoor S L, Kapoor L D: Epidermal and venation studies in Apocynaceae—IV. *Bull bot Surv India*, **14** (1972) 76-82.
- C Chowdhury A R: Chemical investigations on *Cissampelos pareira* Linn. *Sci & Cult*, **38** (1972) 358-61.
- A Coxon D T, Holmes A, Ollis W D, Vora V C: Flavanol digallates in green tea leaf. *Tetrahedron*, **28** (1972) 2819-26.
- A Dhar M L: Some recent investigations on chemistry of natural products. In "Some Recent Developments in the Chemistry of Natural Products", edited by Prof. S Rangaswamy and Prof. N Y Subba Rao, New Delhi, Prentice-Hall India P Ltd, 1972.
- E Gupta S, Madan C L: Effect of some physical, chemical & hormonal treatments & ageing on the germination of *Datura metel* L. seeds. *Herba hung*, **11** (2) (1972) 27-31.
- A Gupta S K, Mathur I S: The effect of *Arnebia nobilis* and its naphthaquinones in rat Walker carcinosarcoma 256. *Indian J Cancer*, **9** (1972) 50-55.
- F Iyengar M S: Contribution of RRL Jorhat to drug industry. *Indian Drugs*, **10** (2) (1972-73) 7-9.
- E Jamwal K S, Sharma M L, Chandhoke N, Ray Ghatak B J: Pharmacological action of 6, 7-Dimethoxy coumarin (Scoparone) isolated from *Artemisia scoparia*, Waldst. & Kit. *Indian J med Res*, **60** (1972) 763-71.
- E Kapahi B K, Sarin Y K: A note on the utilization of *Datura stramonium* Linn. occurring wild in N. W. Himalayas. *Indian Drugs*, **10** (1972-73) 11-15.
- C Kapoor L D: A review on the cultural studies of medicinal and aromatic plants. *Indian Drugs*, **10** (1972-73), 71-74.
- C Kapoor L D, Srivastava S N, Singh A, Kapoor S L, Shah N C: Survey of

- Indian plants for saponins, alkaloids and flavonoids—III. *Lloydia*, **35** (1972) 288-95.
- C Khanna K R, Murty A S: Effect of fruit stage and maturity on the gluco-alkaloid content in *Solanum khasianum*. *Planta med*, **21** (1972) 182-87.
- A Kulshreshtha Jyoti M, Kulshreshtha D K, Rastogi R P: The triterpenoids. *Phytochemistry*, **11** (1972) 2369-81.
- A Kulshreshtha Jyoti M, Rastogi R P: Chemical constituents of *Zizyphus rugosa* Lam. *Indian J Chem*, **10** (1972) 152-54.
- B Mahato S B, Dutta N L: Sterols from *Careya arborea*. *Phytochemistry*, **11** (1972) 2116.
- E Mansa Ram, Anand A S, Singh H B: Preparation of the active principles of Senna (*Cassia angustifolia*). *Res & Ind*, **17** (1972) 51.
- C Mitra G C: Atropine production and growth of excised belladonna root cultures. *Indian J exp Biol*, **10** (1972) 117-18.
- G Mujumdar R B, Srinivasan R, Venkataraman K: Taxiresionol, a new lignin in the heartwood of *Taxus baccata*. *Indian J Chem*, **10** (1972) 677.
- G Patil V D, Nayak U R, Sukh Dev: Chemistry of ayurvedic drugs—I. Guggulu (Resin from *Commiphora mukul*) -I Steroidal constituents. *Tetrahedron*, **28** (1972) 2341.
- E Puri S C, Sawhney R S, Atal C K: Genus *Crotalaria* XIV—Monocrotaline for the preparation of pharmacodynamic compounds. *Indian J Pharm*, **34** (1972) 23-124.
- A Satish S, Bhakuni D S: Constituents of Indian and other plants. *Phytochemistry*, **11** (1972) 2888-90.
- A Sharma S C, Shukla Y N, Tandon J S: Constituents of *Colocasia fornicata*, *Sagittaria sagittifolia*, *Arnebia nobilis*, *Ipomoea paniculata*, *Rhododendron niveum*, *Paspalum scrobiculatum*, *Mundulea sericea* and *Duabanga sonneratioides*. *Phytochemistry*, **11** (1972) 2621-23.
- A Shukla O P, Krishna Murti C R: The biochemistry of plant latex. *J sci industr Res*, **30** (1972) 640-62.
- C Singh A, Chandra V: Pharmaco-botanic studies of 'Kalmegh' (*Andrographis paniculata*). *J Res Indian Med*, **7** (1972) 92-95.
- A Singh B, Rastogi R P: Structure of asclepin and some observations on the NMR spectra of *Calotropis* glycosides. *Phytochemistry*, **11** (1972) 757-62.
- A Singh B, Rastogi R P: Chemical examination of *Picrorhiza kurroa* Benth.: Part VI—Reinvestigation of kutkin. *Indian J Chem*, **10** (1972) 29-31.

- A Singh B, Rastogi R P: The structure of carindone. *Phytochemistry*, **11** (1972) 1797-1801.
- D Srinivasulu C, Mahapatra S N: A simple process for the extraction of alkaloids from nuxvomica seeds. *Res & Ind*, **17** (1) (1972) 6-7.
- C Srivastava G S, Shukla D S, Khanna R K: Cultivation and total alkaloids of *Rauvolfia caffra* Sond. introduced at Lucknow. *Indian Drugs*, **9** (1972) 21.
- A Subhash Chandra, Mukherjee S K, Sethi N: Effect of argemone oil feeding on blood biochemistry and tissue changes in albino rats. *Indian J med Sci*, **26** (1972) 308-12.
- E Tej Singh, Handa K L, Rao P R: Atropine-based synthetic pharmaceuticals. *Res & Ind*, **17** (1972) 92-93.
- A Tewari Shobha, Bhakuni D S, Dhar M M: The aporphine alkaloids of *Litsea glutinosa*. *Phytochemistry*, **11** (1972) 1149-52.
- A Uprety Hema, Bhakuni D S, Dhar M M: Aporphine alkaloids of *Litsea sebifera*, *L. wightiana* and *Actinodaphne obovata*. *Phytochemistry*, **11** (1972) 3057-59.
- D Yoganarasimhan S N, Dutta P K: Medicinal plants of Orissa—a preliminary survey of Similipal forests, Mayurbhanj dist. Orissa. *Nagarjun*, **15** (6) (1972) 25-27.

1973

- A Agarwal J S, Rastogi R P: Chemical constituents of *Mappia foetida* Miers. *Indian J Chem*, **11** (1973) 969.
- A Anwar F, Masaldan A S, Kapil R S, Popli S P: Synthesis of murrayacine: Oxidation with DDQ of the activated aromatic methyl group of the alkaloids of *Murraya koenigii* Spreng. *Indian J Chem*, **11** (1973) 1314-15.
- E Atal C K, Sawhney R S: The pyrrolizidine alkaloid from Indian Crotalariae. *Indian J Pharm*, **35** (1973) 1-12.
- B Banerji N, Chakravarti R N: Constituents of *Amaranthus spinosus* Linn. (*Amaranthaceae*). *J Instn Chem India*, **45** (1973) 205.
- A Bhakuni Dewan S, Bittnert Magalis, Silva Mario, Sammes Peter G: Nubigenol: An α -hydroxydihydrochalcone from *Podocarpus nubigena*. *Phytochemistry*, **12** (1973) 2777-79.
- A Bhakuni D S: Alkaloids as anticancer drugs. *J sci industr Res*, **32** (1973) 382-93.
- E Bhat B K, Dhar A K: Variability & correlation of alkaloids in *Atropa belladonna* Linn. In *Advancing Frontiers in Cytogenetics*, edited by P L Kachroo (Hindustan Pub Corp Delhi) 1973, pp, 200-03.
- E Bhat B K, Dhar A K: Germination studies in *Atropa belladonna* Linn. In *Advancing Frontiers in Cytogenetics*, edited by P L Kachroo (Hindustan Pub Corp Delhi) 1973, pp, 196-99.
- A Dhar ML, Dhar MM, Dhawan BN, Mehrotra BN, Srimal RC, Tandon JS: Screening of Indian plants for biological activity: Part IV. *Indian J exp Biol*, **11** (1973) 43-54.
- E Dhar K L, Raina M L: Further chemical studies of *Piper peepuloides*. *Planta med*, **23** (1973) 295-97.
- E Dhar K L, Raina M L: A novel withanolide from *Datura quercifolia*. *Phytochemistry*, **12** (1973) 476-78.
- C Gupta R C, Kapoor L D: Comparative pharmacognostic study on 'Sirish'. *Indian J Pharm*, **35** (1973) 208.
- C Gupta R C, Kapoor L D: Pharmacognostic study of 'Sirish'—II. *Albizia lebbek* Benth. — Stem bark. *J Res Indian Med*, **8** (1973) 29-36.
- E Gupta S, Prabhakar V S, Madan C L: The distribution of total alkaloids of

major components in the different organs of *Datura metel* var. *fastusa* at various stages of growth. *Planta med*, **23** (1973) 370-76.

- E Husain A: Cultivation of *Dioscorea deltoidea* in subtropical plains of India. *Indian J Pharm*, **35** (1973) 38-40.
- A Kanwal Raj, Shoeb Aboo, Kapil R S, Popli S P: Alkaloids of *Tabernaemontana divaricata*. *Phytochemistry*, **12** (1973) 1621-22.
- E Kaul B L, Charan Singh, Zutshi U, Dhar K L: Radiation effects on growth & concentration of total alkaloids in *Datura metel* L. *Indian J exp Biol*, **11** (1973) 133-34.
- E Kaul B L, Choudhary D K: Radiation induced polygenic mutations in *Atropa belladonna*. In *Advancing Frontiers in Cytogenetics*, edited by P L Kachroo (Hindustan Pub Corp Delhi) 1973, pp, 204-07.
- E Kaul B L, Zutshi U: *Solanum elaeagnifolium* Cav., A potential source of solasodine. *Indian J Pharm*, **35** (1973) 94-96.
- E Kocor M, Pyrek J st, Atal C K, Bedi K L, Sharma B R: Triterpenes of *Datura innoxia* Mill.—structure of daturadiol & daturaolone. *J org Chem*, **38** (1973) 3685.
- A Kulshreshtha D K, Rastogi R P: Identification of ebelin lactone from bacoside A and the nature of its genuine sapogenin. *Phytochemistry*, **12** (1973) 2074-76.
- B Mahato S B, Dutta N L, Chakravarti R N: Triterpenes from *Careya arborea*: Structure of careyagenol D. *J Indian chem Soc*, **50** (1973) 203.
- G Mehta G, Nayak U R, Sukh Dev: *Psoralea corylifolia* Linn.—I. Bakuchiol, a novel monoterpene phenol. *Tetrahedron*, **29** (1973) 1119.
- C Mitra R, Kapoor L D: Pharmacognostic study on 'Amargandhi' (*Curcuma amada* L.). *J Res Indian Med*, **8** (1973) 25-33.
- C Mitra R, Kapoor S L, Kapoor L D: On the identity and pharmacognosy of 'Kamraj'. *J Res Indian Med*, **8** (1973) 40-46.
- C Mitra R, Mehrotra S, Kapoor L D: Pharmacognostical studies on the rhizome of *Nelumbo nucifera* Gaertn. *Indian J Pharm*, **35** (1973) 207.
- C Nigam S K, Misra G, Mitra C R: Stigmasterol glucoside — a constituent of *Adenanthera pavonina* seed and leaf. *Planta med*, **23** (1973) 145-48.
- A Nityanand Swarn, Kapoor Narinder K: Effect of Bengal gram, *Cicer arietinum* L., on experimental atherosclerosis. *Indian J exp Biol*, **11** (1973) 65-66.
- A Nityanand S, Kapoor N K, Dev S: Cholesterol lowering activity of various fractions of *Commiphora mukul* (Guggul). *Indian J Pharmacol*, **5** (1973) 259.

- B Padhi S N, Mahato S B, Dutta N L: Triterpenes from the roots of *Hemidesmus indicus*. *Phytochemistry*, **12** (1973) 217.
- G Patil V D, Nayak U R, Sukh Dev: Chemistry of ayurvedic crude drugs—II. Guggulu (Resin from *Commiphora mukul*)-2 Diterpenoid constituents. *Tetrahedron*, **29** (1973) 341.
- G Patil V D, Nayak U R, Sukh Dev: Chemistry of Ayurvedic crude drugs—III. Guggulu (Resin from *Commiphora mukul*)-3. Long chain aliphatic tetrols, a new class of naturally occurring lipids. *Tetrahedron*, **29** (1973) 1595.
- A Patnaik G K, Pradhan S N, Vohra M M: Effects of hayatin methochloride & (+)—tubocurarine chloride on autonomic ganglia of cats. *Indian J exp Biol*, **11** (1973) 89-94.
- E Puri S C, Sawhney R S, Atal C K: Genus *Crotalaria* XIII—Crobarbatine, a new pyrrolizidine alkaloid of *C. barbata* R. *Experientia*, **29** (1973) 390.
- A Sarin Jagat P S, Garg Hari S, Khanna Nandoo M, Dhar Manojit M: Ipolearoside: A new glycoside from *Ipomoea leari* Paxt. with anticancer activity. *Phytochemistry*, **12** (1973) 2461-68.
- E Sarin Y K: Raw materials for Indian steroid industry. *Indian Drugs*, **11** (Annual) (1973-74) 35-37.
- E Sastry K S M: Studies on virus diseases of medicinal plants. *Indian J Hort*, **30** (1973) 562-66.
- E Sastry K S M, Pandotra V R, Thakur R N, Gupta J H: Experiments on cultivation of *Solanum laciniatum* Ait. under Jammu conditions. *Mysore J agric Sci*, **7** (1973) 192-97.
- E Sawhney R S, Atal C K: Croalbidine, a new pyrrolizidine alkaloid from *Crotalaria albida* Heyne ex Roth. *Indian J Chem*, **11** (1973) 88-89.
- C Shah N C, Mitra R, Kapoor L D: Pharmacognostic studies of the leaves of 'Tejpat' *Cinnamomum* spp. *Indian J Pharm*, **35** (1973) 208.
- G Shankaranarayanan R, Krishnappa S, Bisarya S C, Sukh Dev: Deodarone, a novel sesquiterpene tetrahydro- γ -pyrone from *Cedrus deodara* essential oil. *Tetrahedron Lett*, **6** (1973) 427.
- A Shoeb Aboo, Kapil Randhir S, Popli Satya P: Coumarins and alkaloids of *Aegle marmelos*. *Phytochemistry*, **12** (1973) 2071-72.
- A Shukla Y N, Tandon J S, Dhar M M: Lyonogenin—a new dihydrochalkone from *Lyonia formosa*. *Indian J Chem*, **11B** (1973) 720-22.
- A Shukla Y N, Tandon J S, Dhar M M: Arnebin-7, a new naphthaquinone from *Arnebia nobilis*. *Indian J Chem*, **11** (1973) 528-29.

- A Srimal R C, Dhawan B N: Pharmacology of diferuloylmethane (curcumin), a non-steroidal anti-inflammatory agent. *J Pharm Pharmacol*, **25** (1973) 447-53.
- D Srinivasulu C, Srivastava S C, Mahapatra S N: Possibility of industrial utilisation of ultrasonics for extraction of nuxvomica alkaloids. *Proc Ultrasonics International Conf*, (1973) pp 25-27.
- C Srivastava G S, Shukla D S, Awasthi D N: A comparative study of *in situ* sowing and transplanting methods on the growth and yield of *Pimpinella anisum* at Lucknow. *Indian Perfum*, **17** (1973) 35-36.

1974

- B Achari B, Ali E, Ghosh Dastidar P P, Pakrashi S C: Studies on Indian medicinal plants. Part 30: New steroids from *Enhydra fluctuans* Lour. *J Indian chem Soc*, **51** (1974) 419.
- B Achari B, Pal A, Pakrashi S C: Studies on Indian medicinal plants. Part 31: N-benzoyl-1-phenylalaninol from *Alangium lamarckii*. *Indian J Chem*, **12** (1974) 1248.
- A Agarwal S K, Rastogi R P: Ergometrine and other constituents of *Argyreia speciosa* Sweet. *Indian J Pharm*, **36** (1974) 118-19.
- A Agarwal Santosh K, Rastogi R P: Hederagenic acid and other constituents of *Viburnum erubescens*. *Phytochemistry*, **13** (1974) 666-68.
- A Agarwal S K, Rastogi R P: Chemical constituents of *Celsia coromandeliana* Vahl. *Indian J Chem*, **12** (1974) 304-06.
- A Agarwal S K, Rastogi R P: Triterpenoid saponins and their genins. *Phytochemistry*, **13** (1974) 2623-45.
- A Agarwal S K, Rastogi R P: Celsiogenin-C, a new genin from celsiosides isolated from *Celsia coromandeliana* Vahl. *Indian J Chem*, **12** (1974) 907-10.
- B Ali E, Ghosh Dastidar P P, Pakrashi S C: Studies on Indian medicinal plants. Part 29: Diterpenoid and other constituents of *Enhydra fluctuans* Lour. *J Indian chem Soc*, **51** (1974) 409.
- B Banerji N, Dutta N L: Structure of a new saponin from stem-bark of *Anthocephalus cadamba* Miq. *Indian J Chem*, **14B** (1974) 614.
- E Banerjee S K, George V, Kapoor R: Chemical investigation of the berries of *Solanum aethiopicum*. *Planta med*, **25** (1974) 216-18.
- A Bhakuni D S, Joshi P P, Uprety Hema, Kapil R S: Roseocide, a C₁₁ glycoside from *Vinca rosea*. *Phytochemistry*, **13** (1974) 2541-43.
- A Bhakuni Dewan S, Satish Sheo, Uprety Hema, Kapil Randhir S: Biosynthesis of crotsparine, crotsparinine and sparsiflorine. *Phytochemistry*, **13** (1974) 2767-69.
- E Bhat B K, Dhar A K: Inheritance of yellow berry color in *Atropa belladonna*. Linn. *Crop Sci*, **14** (1974) 615-16.
- E Bhat B K, Pandita P N: Evaluation of post harvest cultural practices in pyrethrum. *Indian Drugs*, **12** (1974-75) 17-18.

- E Charan Singh: Seed germination in *Datura innoxia* Mill. *Indian J exp Biol*, **12** (1974) 291.
- E Dhar K L: *Codonopsis rotundifolia* Benth.—whole plant. In Tabulated Phytochemical Reports. *Phytochemistry*, **13** (1974) 2895.
- A Dhar M L, Dhawan B N, Prasad C R, Rastogi R P, Singh K K, Tandon J S: Screening of Indian plants for biological activity: Part V. *Indian J exp Biol*, **12** (1974) 512-23.
- C Dixit B S, Khanna R K, Srivastava S N, Kapoor L D: Isolation of hecogenin from certain *Agave* species. *Indian J Pharm*, **36** (1974) 119-20.
- A Dubey M P, Srimal R C, Patnaik G K, Dhawan B N: Hypotensive and spasmolytic activities of coleonol, an active principle of *Coleus forskohlii* Briq. *Indian J Pharmacol*, **6** (1974) 15-16.
- E Gupta O P, Misra K C, Arora R B: Cardiogenic & antiveratrinic action of *Thevetia neriifolia* Juss. glycosides compared with ouabain & their structure activity relationship. *Indian J exp Biol*, **12** (1974) 399-401.
- C Gupta R C, Kapoor L D: Pharmacognostic study on 'Sirish'—III. *Albizia procera* Benth.—stem bark. *J Res Indian Med*, **9** (1974) 39-48.
- A Joshi P P, Bhakuni D S, Dhar M M: Structure and stereochemistry of cocsulinin. *Indian J Chem*, **12** (1974) 317-18.
- A Joshi P P, Bhakuni D S, Dhar M M: Structure and stereochemistry of cocsolin. *Indian J Chem*, **12** (1974) 649-50.
- E Kaul B L, Zutshi U: Improvement of solasodine in *Solanum khasianum* through induced mutations. *Indian J Genet*, **34A** (1974) 1204-09.
- C Khanna K R, Murty A S: Inheritance of solasodine in *Solanum khasianum*. *Indian J Genet*, **34A** (1974) 1200-03.
- C Khanna K R, Murty A S, Chandra Prabha: Effect of different timings of fertilizer application on opium poppy (*Papaver somniferum* L.) *Indian J agric Res*, **8** (1974) 53-56.
- A Kulshreshtha D K, Rastogi R P: Bacogenin A₂: A new sapogenin from bacosides. *Phytochemistry*, **13** (1974) 1205-06.
- B Mahato S B, Dutta N L: Structure of careyagenol E, a new triterpenoid sapogenol from *Careya arborea*. *Indian J Chem*, **12** (1974) 888.
- C Misra G, Nigam S K, Mitra C R: Studies on *Mimusops* spp. *Planta med*, **26** (1974) 155-65.
- C Mitra R, Kapoor L D: Pharmacognostical study of 'Palankya', *Beta vulgaris* L. var. *cicla* Moq. leaf. *J Res Indian Med*, **9** (1974) 44-49.

- C Mitra R, Kapoor L D: Pharmacognostical study on 'Plaksha' I — Stem bark of *Ficus tsiela* Roxb. *J Res Indian Med*, **9** (1974) 115-19.
- C Nigam S K, Misra G, Bhatnagar S C, Chaturvedi A K, Parmar S S: Anti-convulsant and anti-inflammatory activity of natural coumarins and triterpenoids. *Res Comm chem Pathol Pharmacol*, **8** (1974) 11-12.
- C Panday Y N: Identification of certain *Cassia* seeds in the indigenous systems of medicine. *Quart J Crude Drug Res*, **12** (1974) 20-22.
- E Parimoo R D: High alkaloid yielding mutant in *Rauvolfia serpentina* Benth. *Proc Indian Acad Sci*, **79B** (1974) 251-56.
- A Patnaik G K, Koechler E: A comparative evaluation of the cardiac effects of asclepin, G-strophanthin, digoxin and digitoxin. *Indian J Pharmacol*, **6** (1974) 11.
- E Puri S C, Sawhney R S, Atal C K: Genus *Crotalaria* XVI—Pyrrolizidine alkaloids of *C. leioloba* Bartl., *C. stipularia* Desv. & *C. tetragona* Roxb. *J Indian chem Soc*, **51** (1974) 628.
- B Sahu N P, Banerji N, Chakravarti R N: A new saponin of oleanolic acid from *Pereskia grandifolia*. *Phytochemistry*, **13** (1974) 529.
- B Sahu N P, Mahato S B, Banerji N, Chakravarti R N: Cadambagenic acid: a new triterpenic acid from *Anthocephalus cadamba* Miq. *Indian J Chem*, **12** (1974) 284.
- E Sarin Y K, Bedi K L, Atal C K: *Costus speciosus* rhizome as a source of diosgenin. *Curr Sci*, **43** (1974) 569-71.
- E Sarin Y K, Jamwal P S, Gupta B K, Atal C K: Colchicine from the seeds of *Gloriosa superba*. *Curr Sci*, **43** (1974) 87.
- E Sastry K S, Sastry K S M, Singh S J: A mosaic disease of *Solanum khasianum*. *Indian Phytopath*, **27** (1974) 316-21.
- E Sastry K S, Sastry K S M, Singh S J, Nayudu M V: A mosaic disease of Eggplant (*Solanum melongena*). *Phytopathol Mediterr*, **13** (1974) 176-78.
- A Satyawan Singh, Khanna N M, Dhar M M: Solaplumbin, a new anticancer glycoside from *Nicotiana plumbaginifolia*. *Phytochemistry*, **13** (1974) 2020-22.
- B Sen A K, Mahato S B, Dutta N L: Courouptine A, a new alkaloid from *Couroupita guianensis*. *Tetrahedron Lett*, (1974) 609.
- C Shah N C, Kapoor L D: Culture and propagation of *Tylophora indica* (Burm. f.) Merr. *Indian For*, **100** (1974) 632-35.
- A Sharma N K, Kulshreshtha D K, Tandon J S, Bhakuni D S, Dhar M M: Two new sterols from *Physalis francheti* fruit. *Phytochemistry*, **13** (1974) 2239-45.

- A Sharma S C, Shukla Y N, Tandon J S, Dhar M M: Genkwanin-4-galactoside and other constituents from *Duabanga sonneratioides*. *Phytochemistry*, **13** (1974) 527-28.
- A Silva M, Bhakuni D S, Sammes P G, Pais M, Jarreau F X: A new peptide alkaloid from *Discaria crenata*. *Phytochemistry*, **13** (1974) 861-63.
- D Srinivasulu C, Sastri S R S, Narasimhan K S, Mahapatra S N: Extraction of strychnine and brucine from nuxvomica seeds. *Chem Eng World*, **9** (12) (1974) 73-75.
- C Srivastava K, Chandra V: Pharmacognostical studies of some species of genus *Cymbopogon* grown in Lucknow—1. *J Res Indian Med*, **9** (4) (1974) 19-30.
- A Tewari Shobha, Bhakuni Dewan S, Kapil Randhir S: Biosynthesis of the alkaloid boldine. *J chem Soc chem Comm*, (1974) 940-41.
- E Thakur R N: Root & foot rot of *Datura innoxia* caused by *Corticium solani*. *Indian Phytopath*, **27** (1974) 129-30.
- F Upadhyaya D N, Bordoloi D N: New records of diseases on cultivated essential oil bearing plants from North East India. *Indian Phytopath*, **28** (1974) 532-34.
- F Upadhyaya D N, Bhagat S D, Singh K K, Ganguly D: Experimental cultivation and composition of oil of Black peppermint (*Mentha piperita* L.) at Jorhat. *Indian Perfum*, **18**(2) (1974) 1-3.

1975

- B Achari B, Pal A, Pakrashi S C: Studies on Indian medicinal plants. Part 36: New D: E-cis-neohopane derivatives from *Alangium lamarckii*. *Tetrahedron Lett*, (1975) 4275.
- A Agarwal J S, Rastogi R P: Chemical examination of water-soluble fraction of *Mappia foetida* Miers. Part II. *Indian J Chem*, **13** (1975) 758-59.
- B Ali E, Giri V S, Pakrashi S C: Studies on Indian medicinal plants, Part 33: Alpha spinasterol-beta-d-glucoside and other constituents of *Maesa chisia*. *Phytochemistry*, **14** (1975) 1133.
- B Ali E, Giri V S, Pakrashi S C: Studies on Indian medicinal plants. Part 35: The oxindole alkaloids of *Vinca elegantissima* Hort. *Experientia*, **31** (1975) 876.
- E Atal C K, Dhar K L, Jagdev Singh: The chemistry of Indian *Piper* species. *Lloydia*, **38** (1975) 256-64.
- E Atal C K, Gupta O P, Afaq S H: *Commiphora mukul*: Source of Guggal in Indian systems of medicine. *Econ Bot*, **29** (1975) 208-18.
- E Atal C K, Gupta O P, Raghunathan K, Dhar K L: Pharmacognosy and phytochemistry of *Withania somnifera* (Linn.) Dunal (Ashwagandha). *Cent Counc Res Indian Medicine Homeopathy, Pub. No. 11* (1975).
- F Banerjee H D, Ganguly D: Antileech property of seed extract of *Solanum khasianum* Clarke. *Indian Drugs*, **13**(11) (1975-76) 6-7.
- B Banerji N, Majumder P C, Dutta N L: A new pentacyclic triterpene lactone from *Dillenia indica*. *Phytochemistry*, **14** (1975) 1447.
- F Baruah A K S, Bhagat S D, Hazarika J N, Saikia B K: Examination of volatile oil of *Cinnamomum camphora* grown at Jorhat (Assam). *Indian J Pharm*, **37** (1975) 39-41.
- D Basa S C: Crenulatin, a formyl coumarin from *Hesperathusa crenulata*. *Aust J Chem*, **28** (1975) 1159.
- D Basa S C: Atalaphyllinine, a new acridone base from *Atalantia monophylla*. *Phytochemistry*, **14** (1975) 835.
- D Basa S C: Extractives of Rutaceae: Atalaphyllidine, a new acridone base. *Experientia*, **31** (1975) 1347.

- F Bhagat S D: Oil of *Callistemon lanceolatus*—Chemical constituents and commercial prospects. *Indian J Pharm*, **37**(6) (1975) 158-60.
- F Bhagat S D, Upadhyay D N, Singh K K: Oil of Bergamot mint (*Mentha citrata* Ehrl). *Indian Perfum*, **18**(2) (1975) 31-33.
- A Bhakuni D S, Joshi P P: Alkaloids of *Cocculus pendulus* (Forsk.) Diels. *Tetrahedron*, **31** (1975) 2575-79.
- F Bordoloi D N: Introduction, cultivation and survey of selected medicinal and aromatic plants in North East India. *Symp Co-ordination of Research Activities in North East India. Assam Sci Soc Gauhati*, (1975).
- B Chakravarti D, Debnath N, Mahato S B, Chakravarti R N: Structure of marsileagenin A, a new hexahydroxy triterpene from *Marsilea minuta* Linn. *Tetrahedron*, **31** (1975) 1781.
- B Mahato S B, Sahu N P, Narayanaswami A, Chakravarti R N, Chakravarti Debi: Structure of fatty acids from the oil of *Argemone mexicana*. *J Indian chem Soc*, **52** (1975) 626.
- B Chattopadhyay S, Pakrashi S C: Studies on Indian medicinal plants. Part 34: Triterpenes from *Grewia asiatica*. *J Indian chem Soc*, **52** (1975) 553.
- C Chaturvedi H C: Propagation of *Dioscorea floribunda* from *in vitro* culture of single-node segments. *Curr Sci*, **44** (1975) 839-41.
- F Chauhan Y S, Singh K K, Ganguly D: Association between yield of fruits and its component in *Solanum khasianum* Clarke. *Indian For*, **10** (1975) 289-95.
- F Chauhan Y S, Singh K K, Ganguly D: Gamma ray induced variations in some quantitative characters in *Solanum khasianum* Clarke. *Indian Drugs*, **13** (1975-76) 17-19.
- E Choudhary D K: Causes of poor and erratic germination in *Atropa belladonna*. *Planta med*, **27** (1975) 18-23.
- F Hazarika J N, Bora A C: Cultivation of three *Mentha* spp. at different row distances at Jorhat (Assam). *Indian Drugs*, **13**(12) (1975-76) 27-29.
- A Joshi P P, Shukla Y N, Bhakuni D S, Dhar M M: 6-(2, 3-Dihydroxy-3-methylbutyl)-7-methoxycoumarin, a new coumarin from *Micromelum pubescens* Blume. *Indian J Chem*, **13** (1975) 772-74.
- C Kapoor L D, Singh A, Kapoor S L, Srivastava S N: Survey of Indian plants for saponins, alkaloids and flavonoids—IV. *Lloydia*, **38** (1975) 221-24.
- C Kapoor S L, Mitra R, Kapoor L D: Pharmacognostic study of the root and rhizome of *Parnassia nubicola* Wall. ex Royle (Fam. Parnassiaceae), a species used as 'Mamira'. *Bull bot Surv India*, **17** (1975) 1-6.

- A Kar K, Puri V N, Patnaik G K, Sur R N, Dhawan B N: Pharmacological studies on himachalol. *Indian J Pharmacol*, **7** (1975) 108.
- A Kar K, Puri V N, Patnaik G K, Sur Rabindra N, Dhawan B K, Kulshreshtha D K, Rastogi R P: Spasmolytic constituents of *Cedrus deodara* (Roxb.) Loud: Pharmacological evaluation of himachalol. *J pharm Sci*, **64** (1975) 258-62.
- E Kaul B L, Choudhary D K: Effect of chemical mutagens on the quantitative characters in *Atropa belladonna*. *Planta med*, **27** (1975) 337-42.
- C Khanna K R, Singh U P: Correlation studies in *Papaver somniferum* and their bearing on yield improvement. *Planta med*, **28** (1975) 92-96.
- E Khosla S N, Atal C K: Selective chemical weed control in *Ammi majus* L. *Indian J Weed Sci*, **7** (1) (1975) 49-53.
- A Kulshreshtha D K, Rastogi R P: Absolute structures of the novel genins, bacogenin A₁ and A₂ from bacosides isolated from *Bacopa monniera*. *Indian J Chem*, **13** (1975) 309-13.
- B Mahato S B, Saikia B K, Sahu N P, Chakravarti R N: An assay method for estimation of solasodine from *Solanum* spp. *J Instn Chem India*, **47** (1975) 237.
- A Mehrotra B N: Processing of plant samples for chemical and biological investigations. *Indian Drugs*, **13** (1975-76) 20-24.
- C Mitra G C: Studies on the growth of excised roots of *Rauvolfia serpentina*: Effects of certain auxins, antiauxins, amino acids and kinetin. In Form, Structure and Function in Plants, H. Y. Mohan Ram, J. J. Shah and C.K. Shah (Eds) Sarita Prakasan, Meerut, (1975) pp 230-35.
- E Mohd Ali M, Ray Ghatak B J: Pharmacological investigation of an alkaloid fraction isolated from *Strychnos potatorum* Linn. *Indian J exp Biol*, **13** (1975) 163-67.
- A Nityanand Swarn, Kapoor N K: Hypolipidaemic effect of ethylacetate fraction of *Commiphora mukul* (Guggul) in rats. *Indian J Pharmacol*, **7** (1975) 106.
- B Pakrashi S C, Achari B, Majumdar P C: Studies on Indian medicinal plants. Part 32: Constituents of *Ananas comosus* (Linn.) Merr. leaves. *Indian J Chem*, **13** (1975) 755.
- C Pandey Y N: A study on an important drug plant *Tephrosia purpurea* Pers. *Quart J Crude Drug Res*, **13** (1975) 65-68.
- C Pandey Y N: *Cassia* seeds used as drug in the indigenous medical systems of India. *Quart J Crude Drug Res*, **13** (1975) 61-64.

- G Nagasampagi B A, Sriraman M C, Yankov L, Sukh Dev: Siderin from *Cedrela toona*. *Phytochemistry*, **14** (1975) 1673.
- G Nanavati D D: The constituents of *Celastrus paniculatus* Willd. *J Oil Technol Assoc India*, **7** (2) (1975) 51.
- C Nigam S K, Yadav N: Chemical examination of *Bridelia montana*. *Quart J Crude Drug Res*, **13** (1975) 127-29.
- A Puri V N, Kar K, Patnaik G K, Dhawan B N, Kulshreshtha D K, Rastogi R P: Spasmolytic constituents of *Cedrus deodara* (Roxb.) Loud: Part II—Isolation and evaluation of allohimachalol and three new sesquiterpenoid alcohols. *Indian J exp Biol*, **13** (1975) 369-70.
- F Rabha L C, Chaudhuri S B, Bordoloi D N: Growth and diosgenin contents of *Dioscorea composita* Hemsl. under Jorhat conditions. *Indian Drugs*, **13** (11) (1975-76) 10-12.
- A Raj K, Kapil R S, Popli S P: Synthesis of suberenol and coumarin R_r. *Indian J Chem*, **13** (1975) 404.
- E Rao P G, Sawhney R S, Atal C K: Genus *Crotalaria* XXI. Isocromadurine, a novel pyrrolizidine alkaloid of *C. madurensis* R. Wight. *Experientia*, **31** (1975) 878.
- E Rao P G, Sawhney R S, Atal C K: Genus *Crotalaria* XXIII-Croburhine, a novel pyrrolizidine alkaloid from *Crotalaria burhia* Buch.-Ham. *Indian J Chem*, **13** (1975) 835-36.
- E Rao P G, Sawhney R S, Atal C K: Genus *Crotalaria* XX-Cromaduime, a new pyrrolizidine alkaloid from *Crotalaria madurensis* R. Wight. *Indian J Chem*, **13** (1975) 870-71.
- E Rao P G, Sawhney R S, Gupta O P, Atal C K: Genus *Crotalaria* XXVII-Synthesis of pyrrolizidine amides. *Indian J Pharm*, **37** (1975) 127-29.
- A Sarin J P S, Garg H S, Khanna N M, Dhar M M: Sterol glycoside and triterpenes from *Vittadinia australis* A. Rich.: Isolation of a diuretic constituent. *Indian J Chem*, **13** (1975) 199-200.
- E Sarin Y K, Jamwal P S: A note on *Heracleum candicans* roots, a new source of xanthotoxin. *Indian J Pharm*, **37** (1975) 145-47.
- D Saxena H O, Dutta P K: Studies on the Ethnobotany of Orissa. *Bull bot Surv India*, **17** (1975) 124-131.
- D Saxena H O: A survey of the plants of Orissa for tannins, saponins, flavonoids and alkaloids. *Lloydia*, **38** (1975) 346-352.
- B Sen A K, Mahato S B, Dutta N L: Conyzic acid, a new diterpene resin acid from *Conyza stricta*. *Indian J Chem*, **13** (1975) 504.

- A Sharma S C, Tandon J S, Dhar M M: Sagittariol: A new diterpene from *Sagittaria sagittifolia*. *Phytochemistry*, **14** (1975) 1055-57.
- A Sharma Sekhar Chandra, Tandon J S, Uprety Hema, Shukla Y N, Dhar M M: Hedychenone: A furanoid diterpene from *Hedychium spicatum*. *Phytochemistry*, **14** (1975) 1059-61.
- A Shoeb Aboo, Kanwal Raj, Kapil Randhir S, Popli Satya P: Alangiside, the monoterpenoid alkaloidal glycoside from *Alangium lamarckii* Thw. *J chem Soc Perkin Trans 1*, (1975) 1245-48.
- E Singh S J, Sastry K S M, Sastry K S: Studies on mosaic disease of *Solanum torvum*. *Indian J Mycol Pl Path*, **5** (1975) 86-90.
- C Srivastava G S: Cultivation of *Abelmoschus moschatus* Medic. in Lucknow. *Indian Perfum*, **19** (1975) 12-16.
- E Srivastava J B, Saxena B P: *Lasioderma serricorne* Fabr. & *Stegobium paniceum* Linn. (Anolindae Coleoptera) as pests of stored drugs. *Sci & Cult*, **41** (1975) 478.
- E Suri K A, Sawhney R S, Atal C K: Pyrrolizidine alkaloids from *Cynoglossum lanceolatum*, *C. glochidiatum* & *Lindelofia angustifolia*. *Indian J Pharm*, **37** (1975) 69-70.
- E Suri O P, Sawhney R S, Atal C K: Genus *Crotalaria* XIX-Preparation of local anaesthetic agents. *Indian J Pharm*, **37** (1975) 36-38.
- A Tewari Shobha, Bhakuni Dewan S, Kapil Randhir S: *J chem Soc, chem Comm*, (1975) 554-55.
- E Thakur R S, Jain M P, Rao P R: Scoparone: Isolation from *Artemisia scoparia* Waldst. & Kit and its synthesis. *Res & Ind*, **20** (1975) 129-31.
- F Upadhyay D N, Bordoloi D N: New records of disease on cultivated essential oil plants from North East India. *Indian Phytopath*, **28** (1975) 532-34.
- F Upadhyay D N, Chaudhuri S B, Singh K K, Ganguly D: Note on diosgenin content of seed and vegetatively propagated *Dioscorea floribunda* Mart. & Gal. tubers. *Indian Drugs Pharmac Ind*, **10** (1) (1975) 9-10.
- A Uprety Hema, Bhakuni D S, Kapil R S: Biosynthesis of papaverine. *Phytochemistry*, **14** (1975) 1535-37.
- A Uprety Hema, Bhakuni Dewan S: Laurifonine, laurifine and laurifinine, three new dibenz (d, f) azonine alkaloids from *Cocculus laurifolius* DC. *Tetrahedron Lett*, No. **14** (1975) 1201-04.

1976

- A Agarwal J S, Rastogi R P: Queretaroic (30) caffeate and other constituents of *Melianthus major*. *Phytochemistry*, **15** (1976) 430-31.
- A Agarwal J S, Rastogi R P, Srivastava O P: *In vitro* toxicity of constituents of *Rumex maritimus* L. to ringworm fungi. *Curr Sci*, **45** (1976) 619-20.
- B Ali E, Giri V S, Pakrashi S C: Studies on Indian medicinal plants. Part 42: Vincarpine and dihydrovincarpine—two new zwitterionic indole alkaloids from *Vinca elegantissima* Hort. *Tetrahedron Lett*, (1976) 4887.
- B Ali E, Giri V S, Pakrashi S C: Studies on Indian medicinal plants. Part 40: 5-Carboxystrictosidine derivatives from *Vinca elegantissima*. *Indian J Chem*, **14B** (1976) 306.
- C Balapure K M: Observation on the availability of medicinal plants on way to Rup-Kund. *IDMA Bull*, **21** (1976) 291-93.
- F Baruah A K S, Bhagat S D: Oil of Indian wintergreen. *IDMA Bull*, **7** (18) (1976) 236-38.
- F Baruah A K S, Bhagat S D: Oil of Indian wintergreen. *Indian J Pharm*, **38** (2) (1976) 56-57.
- F Bhagat S D, Upadhyay D N, Singh K K: Oil of Bergamot mint (*Mentha citrata* Ehrh). *Indian Perfum*, **18** (2) (1976) 31-33.
- A Bhakuni D S: Biosynthesis of loganin derived alkaloids. *J sci industr Res*, **35** (1976) 449-60.
- A Bhakuni D S: Biosynthesis of 1-benzylisoquinoline derived alkaloids. *J sci industr Res*, **35** (1976) 461-85.
- E Bhan M K, George V, Kapoor R, Rishi A K: Chemical investigation of local plants, Part I. *Indian J Chem*, **14B** (1976) 475-76.
- F Bordoloi D N, Rabha L C, Ganguly D: Some observations on the growth and yield of *Solanum laciniatum* Ait. under conditions of Jorhat. *Indian Drugs*, **14** (1) (1976) 5-11.
- B Chakravarti R N, Mahato S B, Sahu N P, Pal B C, Chakravarti Debi: *Kallstroemia pubescens* — a new source for diosgenin — Part I. *J Instn Chem India*, **48** (1976) 170.
- E Chandhoke N, Ray Ghatak B J: Pharmacological investigation of ange-

- lecin—a tranquilisedative & anticonvulsant agent. *Indian J med Res*, **63** (1976) 833-41.
- C Chaturvedi H C, Srivastava S N: Diosgenin biosynthesis by tuber callus tissue culture of *Dioscorea deltoidea*. *Lloydia*, **39** (1976) 82-83.
- F Chaudhuri S B: Standardization of gravimetric method of analysis of *Dioscorea* tuber for diosgenin. *Indian Drugs*, **14** (1976-77) 128-31.
- F Chauhan Y S, Upadhyay D N, Singh K K, Ganguly D: Induced mutations in *Solanum khasianum* Clarke. Some promising plants of M₂ generation. *IDMA Bull*, **7** (1976) 171-3.
- F Chauhan Y S, Singh K K, Ganguly D: Improvement of Java citronella (*Cymbopogon winterianus* Jowitt) by chemical mutagenesis. *IDMA Bull*, **7** (16) (1976) 186-8.
- E Choudhary D K, Kaul B: Cultivation of Belladonna under sub-tropical conditions. *Indian Drugs*, **14** (1976-77) 191-94.
- E Dhar K L, Kalla A K: A 12-Oxowithanolide from *Datura quercifolia*. *Phytochemistry*, **15** (1976) 339-40.
- C Dixit B S, Srivastava S N: Constituents of the bark of *Mimusops littoralis* Kurz. *Phytochemistry*, **15** (1976) 2025-28.
- B Fujii T, Yamada K, Yoshifuji S, Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 43: Structure and stereochemistry of alangicine: Synthesis of (+)-alangicine. *Tetrahedron Lett*, (1976) 2553.
- A Geeta Devi, Kapil R S, Popli S P: Potential CNS and CVS agents: Synthesis based on vasicinone. *Indian J Chem*, **14B** (1976) 354-56.
- A Gupta B: Microchemical test for triterpenoids in plants. *Curr Sci*, **45** (1976) 197-98.
- A Gupta B: Some new staining methods and a microchemical test in pharmacognosy. *IDMA Bull*, **7** (1976) 205-06.
- A Gupta B, Bisht B S: Some problems in collection of Indian plants for screening for biological activity. *IDMA Bull*, **7** (1976) 207-09.
- B Gupta S K, Banerjee A B, Achari B: Isolation of ethyl P-methoxy cinnamate, the major antifungal principle of *Curcuma zedoaria*. *Lloydia*, **39** (1976) 218.
- E Gupta B D, Banerjee S K, Handa K L: Alkaloids & coumarins of *Heracleum wallichii*. *Phytochemistry*, **15** (1976) 576.
- E Gupta O P, Dhar K L, Atal C K: Structure of new amide from *Piper officinarum*. *Phytochemistry*, **15** (1976) 425.

- E Gupta O P, Gupta S C, Dhar K L, Atal C K: Structure of a new amide, filliline isolated from *Piper officinarum*. *Indian J Chem*, **14B** (1976) 912-13.
- E Gupta S, Sobti S N, Atal C K: A package of practices for largescale multiplication of *Dioscorea composita* Hemsl. in Jammu (N. W. India) Part II. *Indian Drugs*, **14** (1976-77) 141-47.
- F Hazarika J N, Bora A C: Effect of variations of spacings for growing *Solanum khasianum* Clarke on yield of berries. *Indian Drugs Pharmac Ind*, **11** (4) (1976) 12-16.
- F Hazarika J N, Bora A C, Adhikari R K: Black peppermint (*Mentha piperita* L. var. *vulgaris* Sole) as intercrop. *Agri-Agro Ind J*, **9** (12) (1976) 18-20.
- F Hazarika J N, Bora A, Baruah A K S: *Cymbopogon flexuosus* (Nees & Steud.) Wats. var. *sikkimensis* Bor—A rich source of methyl-eugenol. *Indian Drugs*, **14** (1976-77) 195-97.
- F Hazarika J N, Bora A C, Kanjilal P B: Cultivation of Japanese mint as an intercrop of Citronella Java type. *Indian Drugs Pharmac Ind*, **11** (6) (1976) 35-40.
- E Jagdev Singh, Santani D D, Dhar K L: Structure of tricholein, a new pyrrolidine alkaloid from *Piper trichostachyon*. *Phytochemistry*, **15** (1976) 2018-19.
- E Jain M P, Thakur R S, Rao P R: Coumarins of *Artemisia parviflora* Roxb. *Curr Sci*, **45** (1976) 640.
- A Kanwal Raj, Misra S C, Kapil R S, Popli S P: Coumarins from *Murraya paniculata*. *Phytochemistry*, **15** (1976) 1787.
- C Kapoor S L, Kapoor L D: On the botany and distribution of 'Pashanbheda', an important drug of indigenous system. *Sachitra Ayurv*, **28** (1976) 767-91.
- C Kapoor S L, Mitra R, Kapoor L D: Pharmaceutical manufacturers of India employing herbal drugs, and their properties along with herbal ingredients. *Tech Comm nat bot Gdns Lucknow*, **2** (1976) 102.
- E Kapur S K, Sarin Y K: Useful medicinal ferns of Jammu & Kashmir. *Indian Drugs*, **14** (1976-77) 136-40.
- F Katakya J C S, Baruah A K S, Mathur R K, Baruah J N: Chemical constituents of the essential oil from the bark of *Litsea citrata* Blume grown in Assam. *Indian Perfum*, **20** (1) (1976) 55-58.
- F Katakya J C S, Bhagat S D, Mathur R K, Baruah J N: Essential oil from *Cinnamomum tamala* leaves. *IDMA Bull*, **7** (18) (1976) 230-34.
- E Kaul B L: A note on the breeding of a solasodine rich mutant in *Solanum khasianum*. *Mutation Breed Newslett*, **7** (1976) 5-6.

- E Kaul B L, Charan Singh, Bhan A K: Stimulation of growth and development of *Datura* by low doses of radiations. *Stimulation Newslett*, **9** (1976) 17-26.
- C Khanna K R, Sharma S C, Srivastava S N, Singh S P, Dixit B S: Cultivation of diosgenin-rich dioscoreas in Lucknow. *Indian J Pharm*, **38** (1976) 144-45.
- A Kulshreshtha D K, Rastogi R P: The constitution of isocentdarol, a sesquiterpenediol from *Cedrus deodara*. *Phytochemistry*, **15** (1976) 557-58.
- B Mahato S B, Sahu N P, Pal B C, Chakravarti R N, Dutta S C: Assay of *Costus speciosus* plants for diosgenin. Part I. *J Instn Chem India*, **48** (1976) 117.
- A Malik O P, Kapil R S, Anand Nitya: Studies on cannabinoids: Part I—Synthesis of 5-hydroxy-2, 2-dimethyl-7-*n*-pentylchromene, *trans*-3-*n*-butyl-5-hydroxy-2, 2, 4-trimethyl-7-*n*-pentyl-chroman and some related compounds. *Indian J Chem*, **14B** (1976) 449-54.
- A Malik O P, Kapil R S, Anand Nitya: Studies on cannabinoids: Part II—Synthesis of *trans*-6a, 7, 12, 12a-tetrahydro-6, 6-dimethyl-3-*n*-pentyl-6H-benzo(b) naphtho (2, 3-d) pyran-1-ol and some related compounds. *Indian J Chem*, **14B** (1976) 455-58.
- A Malik O P, Kapil R S, Anand Nitya: Studies on cannabinoids: Part III—Synthesis of 9, 10, 11, 11a-tetrahydro-6H, 8H-pyrido [1, 2-c] [1,3] benzoxazine. *Indian J Chem*, **14B** (1976) 975-78.
- A Mehra K, Garg H S, Bhakuni D S, Khanna N M: Structure, stereochemistry and synthesis of govanine. *Indian J Chem*, **14B** (1976) 58-59.
- A Mehra K, Garg H S, Bhakuni D S, Khanna N M: Structure and stereochemistry of (—)-govadine. *Indian J Chem*, **14B** (1976) 216-17.
- A Mehra K, Garg H S, Bhakuni D S, Khanna N M: Alkaloids of *Corydalis govaniana* Wall.: Isolation and structures of three new tetrahydroprotoberberine alkaloids, corygovanine, govadine and govanine and of a known phthalideisoquinoline base, bicuculline. *Indian J Chem*, **14B** (1976) 844-48.
- C Mitra C R, Lakshmi V: Constituents of *Benincasa hispida*. *Quart J Crude Drug Res*, **14** (1976) 163-64.
- C Mitra G C: Studies on the formation of viable and non-viable seeds in *Rauvolfia serpentina* Benth. *Indian J exp Biol*, **14** (1976) 54-56.
- C Mitra G C: Biosynthesis of alkaloids in plant tissue cultures: Tropane and *Rauvolfia* alkaloids. In *Recent Advances in Botany*. Edited by P Kachroo, Bishen Singh Mohendra Pal Singh, Dehra Dun, (1976) 287-95.
- C Murty A S: Alkaloid distribution in the fruit of *Solanum khasianum*. *Curr Sci*, **45** (1976) 314.
- B Nasipuri D, Mukherjee P R, Pakrashi S C, Datta S, Ghosh Dastidar P P:

- Studies on Indian medicinal plants. Part 38: Asymmetric reduction. Part 4: Reduction of some triterpenoid ketones with sodium borohydride and isoboryloxylaluminium dichloride. *J chem Soc Perkin Trans 1*, (1976) 321.
- C Nigam S K, Chaturvedi A K, Parmar S S, Bhatnagar S C, Misra G, Sastry B V R: Anti-inflammatory and anti-convulsant properties of some natural plant triterpenoids. *Pharmacol Res Comm*, **8** (1976) 199-210.
- C Nigam S K, Misra G, Yadav N: Triterpenoids of *Adenanthera pavonina* bark. *Planta med*, **29** (1976) 175-78.
- B Pakrashi S C, Chattopadhyay S, Chakravarty A K: Studies on Indian medicinal plants. Part 37: Studies on 4-quinazolinones. Part 8: Mechanism of chromic acid oxidation of arborine. *J org Chem*, **41** (1976) 2108.
- A Pal Raghwendra, Kulshreshtha D K, Rastogi R P: Chemical constituents of *Tithonia tagitiflora* Desf.: Part II—Structure of tagitinin B by application of homonuclear INDOR spectroscopy. *Indian J Chem*, **14B** (1976) 77-80.
- A Pal Raghwendra, Kulshreshtha D K, Rastogi R P: Chemical constituents of *Tithonia tagitiflora* Desf.: Part III—Constitution of tagitinin A. *Indian J Chem*, **14B** (1976) 259-62.
- A Pal Raghwendra, Kulshreshtha D K, Rastogi R P: Antileukemic and other constituents of *Tithonia tagitiflora* Desf. *J pharm Sci*, **65** (1976) 918-20.
- A Pandey Hema, Saxena N K, Bhakuni D S: Structure of coccolinine. *Indian J Chem*, **14B** (1976) 366-67.
- A Pandey Hema, Bhakuni D S: New dibenz (d, f) azonine alkaloids from *Cocculus laurifolius* DC. *J chem Soc Perkin Trans 1*, (1976) 2197-202.
- C Pandey Y N: *Bauhinia* plants, an important source of drug. *Indian Drugs*, **14** (1976-77) 53-54.
- A Patnaik G K, Puri V N, Kar K, Dhawan B N: Spasmolytic activity of sesquiterpenes from *Cedrus deodara*. *IDMA Bull*, **8** (1976) 238-42.
- E Pushpangadan P, Sobti S N: Medicinal properties of *Ocimum* (Tulsi) species and some recent investigations of their efficacy. *Indian Drugs*, **14** (1976-77) 207-08.
- A Raj K, Joshi P P, Bhakuni D S, Kapil R S, Popli S P: Synthesis of (±)-auraptenol and murrayone. *Indian J Chem*, **14B** (1976) 332-35.
- D Rao V S, Srinivasulu C, Rao Y R, Mahapatra S N: Oxidation products of nuxvomica seed waste. *J Instn Chem India*, **48** (1976) 227-28.
- F Saha B N, Bordoloi D N, Ganguly D: Introduction of *Mentha piperita* L. var. *vulgaris* at Imphal, Manipur (Abst.). *Annu Conf Assam Sci Soc*, (1976)

- E Sarin Y K: Standardization of crude drugs in India. *Sachitra Ayurv*, (1976) 414-16.
- E Sarin Y K: Survey of medicinal plants in India: status & problems. *Sachitra Ayurv*, (1976) 532-34.
- E Sarin Y K, Kapahi B K, Kapur S K, Atal C K: Studies on *Costus speciosus* Sims. Pt. I—Variability in diosgenin. *Curr Sci*, **45** (1976) 688-90.
- A Satyawan Singh, Kar K, Khanna N M: A diuretic flavone glycoside from *Millingtonia hortensis* Linn. *Indian J Pharm*, **38** (1976) 26-27.
- B Sen A K, Mahato S B, Dutta N L: Flavonoids of *Conyza stricta*: isolation and structure of 3, 3', 4', 5', 8-pentamethoxy, 5, 7-dihydroxy and 3, 4', 8-trimethoxy 5, 6-dihydroxy flavone. *Indian J Chem*, **14B** (1976) 849.
- B Sengupta P, Sen M, Basak M, Pakrashi S C, Ali E: Chemical constituents of *Pteris wallichiana*. *Indian J Chem*, **14B** (1976) 817.
- B Sengupta P, Sen M, Niyogi S K, Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 41: Isolation and structure of wallichoside, a novel pteroside from *Pteris wallichiana*. *Phytochemistry*, **15** (1976) 955.
- B Sengupta P, Sen M, Pal B C, Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 41: Chemical constituents of *Callicarpa macrophylla* Vahl. *J Indian chem Soc*, **53** (1976) 218.
- A Setty B S, Kamboj V P, Garg H S, Khanna N M: Spermicidal potential of saponins isolated from Indian medicinal plants. *Contraception*, **14** (1976) 571-78.
- E Sharma B M, Pratap Singh: Pharmacognostic study of fruits of *Barringtonia acutangula* Gaertn. *Herba hung*, **15** (3) (1976) 7-14.
- A Sharma O P: Antioxidant activity of curcumin and related compounds. *Biochem Pharmacol*, **25** (1976) 1811-12.
- A Shukla Y N, Sokoloski E A, Fales H M, Kapadia G J: 6-Methoxy-7, 8-methylenedioxycoumarin from *Melochia tomentosa*. *Phytochemistry*, **15** (1976) 1788.
- A Singh A N, Pandey Hema, Bhakuni D S: Structure and stereochemistry of coccuvine (*Cocculus laurifolius* DC). *Experientia*, **32** (1976) 1368-69.
- F Singh H S, Rabha L C, Bhagat S D, Ganguly D: Studies on cultivation of Java citronella II. *Indian Perfum*, **20** (1-B) (1976) 77-89.
- F Singh K K, Upadhyay D N, Ganguly D: Introduction of a new solasodine yielding species—*Solanum mammosum* L. *Indian Drugs*, **14** (1) (1976-77) 3-4.
- F Singh R S, Baruah A K S, Singh K K: Effect of copper and boron on the

yield and quality of Java citronella (*Cymbopogon winterianus* Jowitt) oil. *Indian Perfum*, **21** (1-B) (1976) 115-9.

F Singh R S, Singh K K: Effect of combination of N P K on *Tagetes minuta* Linn. *Indian Perfum*, **20** (1-B) (1976) 5-7.

A Singh S, Garg H S, Khanna N M: Dysobinin, a new tetranortriterpene from *Dysoxylum binectariferum*. *Phytochemistry*, **15** (1976) 2001-02.

E Srivastava J B, Saxena B P: Host preference of solanaceous medicinal plants by *Epilachna vigintioctopunctata* F. (Coccinellidae: Coleoptera) & fate of solasodine in the damaged leaves of *Solanum aviculare* Forst. *Sci & Cult*, **42** (1976) 125-26.

E Suri K A, Sawhney R S, Atal C K: Genus *Crotalaria* Pt. XXV—Secopyrrolizidine alkaloids of *Crotalaria walkeri* Arnott. *Indian J Chem*, **14B** (1976) 471.

E Suri O P, Sawhney R S, Bhatia M S, Atal C K: Genus *Crotalaria* Part XXIV—Novel seco-pyrrolizidine alkaloids from *Crotalaria verrucosa*. *Phytochemistry*, **15** (1976) 1061-63.

E Suri K A, Sawhney R S, Gupta O P, Atal C K: Genus *Crotalaria* Part XXVI—Pyrrolizidine alkaloids for the preparation of neuromuscular blocking agents. *Indian J Pharm*, **38** (1976) 23-25.

A Tandon Sheela, Rastogi R P: Wikstromol, a new lignan from *Wikstroemia viridiflora*. *Phytochemistry*, **15** (1976) 1789-91.

A Tandon Sheela, Rastogi R P: Studies on the chemical constituents of *Spondias pinnata*. *Planta med*, **29** (1976) 190-192.

E Thakur R N, Singh K P: Rhizome rot of *Costus speciosus* in India. *Indian J Mycol Pl Path*, **6** (1976) 70.

E Thappa R K, Sawhney R S, Atal C K: Preparation of pharmacodynamic drugs based on embelin. *Indian J Pharm*, **38** (1976) 17.

F Upadhyay D N, Shukla A K, Singh K K: Solasodine content of *Solanum mammosum* L. as related to size and stage of development of fruits. *Indian J Pharm*. **38** (2) (1976) 52-55.

F Upadhyay D N, Bordoloi D N: Studies on blight diseases of *Ocimum basilicum* Linn. caused by *Cerospore ocimicola* Petr. & Oiferri. *Herba hung*, **15** (1976) 31-36.

1977

- B Ali E, Chakravarty A K, Pakrashi S C, Biemann K, Hignite C R: Studies on Indian medicinal plants. Part 46: Solanoforthine, a new steroidal alkaloid from *Solanum seaforthianum*: A note on the mass spectrum of solanocapsine. *Tetrahedron*, **33** (1977) 1371.
- A Anwar Falak, Shueb A, Kapil R S, Popli S P: Clausarin, a novel coumarin from *Clausena pentaphylla* (Roxb.) DC. *Experientia*, **33** (1977) 412-13.
- E Atal C K, Kapur B M (Eds): Cultivation & Utilization of Medicinal and Aromatic Plants. Reg Res Lab, CSIR, Jammu. (1977) pp 568.
- B Banerji N: A new saponin from stem-bark of *Anthocephalus cadamba* Miq. *Indian J Chem*, **15P** (1977) 654.
- C Banerji R, Nigam S K: Constituents of *Calophyllum amoenum* bark and leaves. *Quart J Crude Drug Res*, **15** (1977) 133-34.
- C Banerji R, Misra G, Nigam S K: On the triterpenes of *Azadirachta indica*. *Fitoterapia*, **48** (1977) 166-69.
- A Bhakuni D S: Biosynthesis of biologically active mevalonate derived natural products: Part I—The steroids. *J sci industr Res*, **36** (1977) 430-45.
- A Bhakuni D S: Biosynthesis of biologically active mevalonate derived natural products: Part II—Non-steroids. *J sci industr Res*, **36** (1977) 490-509.
- A Bhakuni Dewan S, Singh Awadhesh N, Kapil Randhir S: Biosynthesis of isococculidine. *Chem Comm*, (1977) 211-12.
- A Bhakuni Dewan S, Singh Awadhesh N, Tewari Shobha, Kapil Randhir S: Biosynthesis of reticuline. *J chem Soc Perkin Trans*, **1** (1977) 1662-66.
- A Bhakuni Dewan S, Tewari Shobha, Kapil Randhir S: Biosynthesis of boldine (1, 10-dimethoxy-6 α -aporphine-2, 9-diol). *J chem Soc Perkin Trans* **1**, (1977) 706-09.
- E Bhat B K, Pandita P N: *Digitalis*-medicinal plants. *Intve Agric*, **15** (1977) 26.
- F Bordoloi D N: Introduction of *Eucalyptus citriodora* Hook. in North East India. *J Assam Sci Soc*, **20** (1) (1977) 63-65.
- E Bradu B L, Sobti S N, Atal C K: Cultivation of *Ammi majus* Linn. in India: In Cultivation & Utilization of Medicinal & Aromatic Plants, edited by C K Atal & B M Kapur (RRL, CSIR Jammu-Tawi) (1977) pp. 115-117.

- A Chandel R S, Kulshreshtha D K, Rastogi R P: Bacogenin A₁: A new sapogenin from *Bacopa monniera*. *Phytochemistry*, **16** (1977) 141-43.
- A Chandel R S, Rastogi R P: Acuminatic acid, a new triterpene from *Pygeum acuminatum* Colebr. *Indian J Chem*, **15B** (1977) 914-16.
- C Chandra V, Dixit B S, Srivastava K K, Srivastava S N: Observations on performance of *Costus speciosus* Smith, Jammu strain at Lucknow. *Indian J Pharm*, **39** (1977) 120-22.
- E Choudhary D K, Kaul B L: Induced mutagenesis in genus *Atropa*. *Indian J exp Biol*, **15** (1977) 1075-77.
- E Dhar A K, Bhat B K: Belladonna, a medicinal plant. *Intve Agric*, **15** (8) (1977) 14.
- A Dhawan B N, Patnaik G K, Rastogi R P, Singh K K, Tandon J S: Screening of Indian plants for biological activity: Part VI. *Indian J exp Biol*, **15** (1977) 208-19.
- A Dhawan B N, Sharma J N: Reserpine alkaloids. In *Psychotherapeutic Drugs, Part II—Applications*, edited by Earl Usdin & Irene S Forrest, Marcel Dekker Inc., New York, (1977) pp 1101-30.
- C Dixit B S, Srivastava S N: Detection of diosgenin in the seeds of *Trigonella foenum-graecum* Linn. *Indian J Pharm*, **39** (1977) 62.
- C Dixit B S, Srivastava S N: Sapogenins and other constituents of the bark of *Mimusops littoralis* Kurz. *Indian J Pharm*, **39** (1977) 85.
- A Dubey M P, Srimal R C, Dhawan B N: Pharmacological studies on aporphine alkaloids from *Croton sparsiflorus*. *Indian J Pharmacol*, **9** (1977) 77-78.
- B Fujii T, Yoshifuji S, Minami S, Pakrashi S C, Ali E: Absolute configuration of alangicine: chemical correlation with Cinchona alkaloids. *Int Congr Pure & appl Chem, Tokyo, Japan*, (1977).
- B Fujii T, Yoshifuji S, Minami S, Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 47: Absolute stereochemistry of alangicine: synthetic incorporation of cincholoipon into (+)-alangicine. *Heterocycles*, **8** (1977) 195.
- E Gandotra N, Kapahi B K, Bedi K L, Sarin Y K, Atal C K: Studies on *Costus speciosus* Sims. III-Optimisation studies on diosgenin assay & production. *Indian J Pharm*, **39** (1977) 135-39.
- F Ganguly D, Thyagarajan G: Factors contributing to the growth of Citronella oil industry in North East India. In *Cultivation & Utilization of Medicinal & Aromatic Plants* edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp. 206-12.

- E Grewal S, Kaul S, Sachdeva U, Atal C K: Regeneration of plants of *Dioscorea deltoidea* Wall. by apical meristem cultures. *Indian J exp Biol*, **15** (1977) 201-03.
- E Grewal S, Sachdeva U, Kaul S, Atal C K: Effect of various hormones on growth differentiation and alkaloid formation in *Datura innoxia* Mill. apical meristem culture *in vitro*. *Indian J Pharm*, **39** (1977) 72-74.
- E Gupta O P, Gupta S C, Dhar K L, Atal C K: A new amide from *Piper officinarum*. *Phytochemistry*, **16** (1977) 1436-37.
- E Gupta O P, Mohd Ali M, Ray Ghatak B J, Atal C K: Some pharmacological investigations of embelin & its semisynthetic derivatives. *Indian J Physiol Pharmacol*, **21** (1977) 31-39.
- E Gupta O P, Sharma M L, Ray Ghatak B J, Atal C K: Pharmacological investigations of vasicine & vasicinone—the alkaloids of *Adhatoda vasica*. *Indian J med Res*, **66** (1977) 680-91.
- E Gupta O P, Sharma M L, Ray Ghatak B J, Atal C K: Potent uterine activity of alkaloid vasicine. *Indian J med Res*, **66** (1977) 865-71.
- F Hazarika J N, Bora A C: Effect of varying combination of NPK fertilizer on yield of Palmarosa (*Cymbopogon martinii* Stapf var. *motia*). *Indian Perfum*, **21** (1977) 51-3.
- F Hazarika J N, Bordoloi D N, Bora A C: JRL-30, an improved strain of *Solanum khasianum* Clarke as a source of solasodine. *Indian Drugs Pharmac Ind*, **12** (1977) 25-9.
- F Hazarika J N, Ganguly D: A study on *Solanum khasianum* Clarke as a source of solasodine. *Herba hung*, **16** (3) (1977) 23-31.
- A Jain Sudha, Bhakuni D S: Alkaloids of *Dicentra macrocapnos* Prain and *Corydalis cornuata* Royle. *Indian J Chem*, **15B** (1977) 389-90.
- A Jain G K, Sarin J P S, Khanna N M: Constitution of scheffleroside, a spermicidal saponin from *Schefflera capitata*. *Indian J Chem*, **15B** (1977) 1139-41.
- A Kamboj V P, Setty B S, Khanna N M: Semen coagulation—A potential approach to contraception. *Contraception*, **15** (1977) 601-10.
- E Kapahi B K, Kapur S K, Sarin Y K: Studies on *Costus speciosus* Sims.-II. Pharmacognostic characters of rhizome drug. *Indian J Pharm*, **39** (1977) 74-76.
- E Kapur B M, Atal C K: Cultivation & Utilization of Senna in India. In *Cultivation & Utilization of Medicinal & Aromatic Plants*, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 124-131.

- A Kar K, Mukherjee K C, Dhawan B N: Characterization of the neuromuscular-blocking property of isococculidine. *Indian J exp Biol*, **15** (1977) 547-51.
- A Kar K, Sarin J P S, Khanna N M: Diuretic activity of vittadinoside—a sterol glucoside from *Vittadinia australis* A. Rich. *Indian J Pharm*, **19** (1977) 17-18.
- E Kaul B L, Zutshi U: Cultivation of *Solanum khasianum* Clarke for steroids: problem & promises. In *Cultivation & Utilization of Medicinal & Aromatic Plants*, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 23-31.
- E Khosla S N, Ajit Singh, Pratap Singh: Chemical weed control in medicinal and aromatic plants—a review. In *Cultivation & Utilization of Medicinal & Aromatic Plants*, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 539-551.
- E Khosla S N, Pratap Singh: Chemical weed control in *Ammi visnaga* L. & their relative effectiveness of some growth substances. *Herba hung*, **16** (1977) 67-74.
- E Koul S K, Thakur R S: Chemical constituents of the flowers of *Gloriosa superba* Linn. *Proc nat Acad Sci India*, **47A** (1977) 21-22.
- A Kulshreshtha D K: Three new oxygenated triterpenoids of lupane series from *Gymnosporia wallichiana*. *Phytochemistry*, **16** (1977) 1783-85.
- B Mahato S B, Sahu N P, Pal B C, Chakravarti R N: Constitution of new steroidal saponins isolated from *Kallstroemia pubescens*. *Indian J Chem*, **15B** (1977) 445.
- B Mahato S B, Sahu N P, Pal B C, Chakravarti R N: Constituents of *Euphorbia pulcherrima* Willd. *J Indian chem Soc*, **45** (1977) 338.
- A Manandhar Mangala D, Shoeb A, Kapil R S, Popli S P: O-Methylclausenal—a C₃₃ terpenoid from *Clausena pentaphylla*. *Experientia*, **33** (1977) 153.
- A Mitra R, Mehrotra S, Mehrotra B N, Kapoor L D: Pharmacognostic study of *Asclepias curassavica* Linn. *Bull bot Surv India*, **16** (1977) 82-88.
- G Nanavati D D: Paniculatadiol (a new terpene diol) from *Celastrus paniculatus* Willd. *J Oil Technol Assoc India*, **9** (1) (1977) 1.
- G Pai P P, Kulkarni G H: Isolation of α -amyirin stearate, β -amyirin and lupeol palmitate from *Costus* leaves. *Curr Sci*, **46** (1977) 261.
- B Pakrashi S C, Chakravarty A K, Ali E: Studies on Indian medicinal plants. Part 45: Solanogantane, a novel 3-amino-22 β -H solanidane from *Solanum giganteum*. *Tetrahedron Lett*, (1977) 645.
- B Pakrashi S C, Ghosh Dastidar P P, Basu S, Achari B: Studies on Indian

- medicinal plants. Part 46: New phenanthrene derivatives from *Aristolochia indica*. *Phytochemistry*, **16** (1977) 1103.
- A Pal Raghwendra, Kulshreshtha D K, Rastogi R P: Chemical constituents of *Tithonia tagitiflora* Desf.: Part IV—Tagitinins C, D & F. *Indian J Chem*, **15B** (1977) 208-11.
- A Pal Raghwendra, Rastogi R P: Chemical constituents of *Tithonia tagitiflora* Desf.: Part V—Structure of tagitinin E. *Indian J Chem*, **15B** (1977) 533-35.
- E Pandita P N, Bhat B K: Pyrethrum—a medicinal plant. *Intve Agric*, **15** (1977) 20.
- E Pandita P N, Bhat B K, Dhar A K, Sharma S D: *Datura innoxia*—A perennial herb. *J Bombay nat Hist Soc*, **74** (1977) 561-63.
- A Pant Pushpa, Rastogi R P: Hexandrin, a new triterpene from *Manilkara hexandra* (Roxb.) Dub. *Indian J Chem*, **15B** (1977) 911-13.
- A Pant Pushpa, Rastogi R P: Castanopsone and castanopsol, two new triterpenoids from *Castanopsis indica*. *Phytochemistry*, **16** (1977) 1787-89.
- E Pratap Singh: Cultivation of *Digitalis* spp. In *Cultivation & Utilization of Medicinal & Aromatic Plants*, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 80-85.
- E Sarin Y K: Cultivation & utilization of *Rauvolfia serpentina* in India. In *Cultivation & Utilization of Medicinal & Aromatic Plants*, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 118-23.
- A Sarin J P S, Nandi R C, Kapil R S, Khanna N M: Estimation of ajmalicine in *Catharanthus roseus* Linn. *Indian J Pharm*, **39** (1977) 62-64.
- E Sarin Y K, Ajit Singh, Bedi K L, Kapur S K, Kapahi B K, Atal C K: Observation on *Costus speciosus* Sims. as a source of diosgenin. In *Cultivation & Utilization of Medicinal & Aromatic Plants*, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 33-38.
- E Sastry K S M, Thakur R N, Pandotra V R: Diseases of medicinal & aromatic plants & their control. In *Cultivation & Utilization of Medicinal & Aromatic Plants*, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 519-539.
- E Saxena B P, Koul O, Tikku K, Atal C K: A new insect chemosterilant isolated from *Acorus calamus* Linn. *Nature, Lond*, **270** (1977) 512-13.
- A Setty B S, Kamboj V P, Khanna N M: Screening of Indian plants for biological activity: Part VII—Spermicidal activity of Indian plants. *Indian J exp Biol*, **15** (1977) 231-32.
- F Sharma T C, Bordoloi D N, Ganguly D, Thyagarajan G: Development of

Citronella oil industry in Yaongyimsen in Nagaland and its future scope. *Indian Perfum*, **21** (2) (1977) 94-98.

- A Singh A N, Bhakuni D S: Coccuvinine, a new abnormal erythrina alkaloid from *Cocculus laurifolius* DC. *Indian J Chem*, **15B** (1977) 388-89.
- A Singh A N, Pande Hema, Bhakuni D S: Cocculitine, a new abnormal erythrina alkaloid from *Cocculus laurifolius*. *Lloydia*, **40** (1977) 322-25.
- E Sobti S N, Kaul B L: Cultivation of *Datura innoxia* & *D. metel* in India. In Cultivation & Utilization of Medicinal & Aromatic Plants, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 43-45.
- E Srivastava J B: Insect pests of medicinal and aromatic plants & their control—a review. In Cultivation & Utilization of Medicinal & Aromatic Plants, edited by C K Atal & B M Kapur (RRL, CSIR, Jammu-Tawi) (1977) pp 515-519.
- A Tandon J S, Dhar M M, Ramakumar S, Venkatesan K: Structure of coleonol, a biologically active diterpene from *Coleus forskohlii*. *Indian J Chem*, **15B** (1977) 880-83.
- A Tandon Sheela, Rastogi R P: Conyzatin—a new flavone from *Conyza stricta*. *Phytochemistry*, **16** (1977) 1455-56.
- A Tandon Sheela, Rastogi R P: Wikstrosin, a tricoumarin from *Wikstroemia viridiflora*. *Phytochemistry*, **16** (1977) 1991-93.
- E Tej Singh, Handa K L, Rao P R: Isolation of khellin from the fruits of *Ammi visnaga*. *Res & Ind*, **22** (1977) 11-12.
- F Thyagarajan G: Mint, Lemon grass & Eucalyptus. *Yojana*, **221** (14) (1977) 63-65.
- F Upadhyay D N, Bordoloi D N: Corynespora blight of *Solanum mammosum* L.—a new record from India. *Curr Sci*, **46** (1977) 343-49.
- F Upadhyay D N, Bordoloi D N: Sclerotial rot of *Solanum khasianum* Clarke and *S. mammosum* Linn.: two new hosts. *Curr Sci*, **46** (1977) 349.

1978

- A Agarwal S K, Rastogi R P: Umbelactone (4-hydroxymethyl-3-methyl-but-2-ene-4, 1-olide), a new constituent of *Memecylon umbellatum*. *Phytochemistry*, **17** (1978) 1663-64.
- E Ajit Singh, Shahi A K, Balyan S S: Effect of harvesting intervals on growth attributes and yield of rhizomes of *Costus speciosus* Sims. *Indian J Agron*, **23** (1978) 167.
- B Ali E, Chakravarty A K, Dhar T K, Pakrashi S C: Studies on Indian medicinal plants. Part 50: Solaseaforthine and isosolaseaforthine, two novel 3-amino-20-pyridyl pregnanes from *Solanum seaforthianum*. *Tetrahedron Lett*, (1978) 3871.
- E Anand K K, Sharma M L, Bhupinder Singh, Ray Ghatak B J: Anti-inflammatory, antipyretic and analgesic properties of bovachinin—A flavone isolated from seeds of *Psoralea corylifolia* Linn. (Babchi). *Indian J exp Biol*, **16** (1978) 1216-17.
- E Atal C K: Semisynthetic derivative of pyrrolizidine alkaloids of pharmacodynamic importance—a review. *Lloydia*, **41** (1978) 312-26.
- E Atal C K, Srivastava J B, Wali B K, Chakravarty R B, Dhawan B N, Rastogi R P: Screening of Indian plants for biological activity: Part VIII. *Indian J exp Biol*, **16** (1978) 330-49.
- B Banerji N: Structure of two new saponins from stem-bark of *Anthocephalus cadamba* Miq. *J Indian chem Soc*, **55** (1978) 275.
- B Banerji N: An introduction to polysaccharides and immunological activity. *J Instn Chem India*, **39** (1978).
- C Banerji R, Misra G, Nigam S K: Steroid and triterpenoid saponins—possible spermicidal agents. *J Steroid Biochem*, **9** (1978) 864.
- A Bhakuni Dewan S, Jain Sudha, Singh Awadhesh N: Biosynthesis of cocsulin. *J chem Soc Perkin Trans 1*, (1978) 380-83.
- A Bhakuni Dewan S, Labroo Virendra M, Singh Awadhesh N, Kapil Randhir S: Biosynthesis of the bisbenzylisoquinoline alkaloid cocsulin. *J chem Soc Perkin Trans 1*, (1978) 121-25.
- A Bhakuni Dewan S, Mangla Virendra K, Singh Awadhesh N, Kapil Randhir S: Biosynthesis of morphinandienone alkaloid, sebiferine. *J chem Soc Perkin Trans 1*, (1978) 267-69.

- A Bhakuni D S, Singh A N: Absolute configuration and biosynthesis of tiliageine. *Tetrahedron*, **34** (1978) 1409-10.
- A Bhakuni Dewan S, Singh Awadhesh N: Biosynthesis of the abnormal erythrina alkaloids, cocculidine and cocculine. *J chem Soc Perkin Trans I* (1978) 618-22.
- A Bhakuni Dewan S, Singh Awadhesh N, Jain Sudha: Biosynthesis of oxyacanthine. *J chem Soc Perkin Trans I*, (1978) 1318-21.
- A Bhakuni Dewan S, Singh Awadhesh N, Jain Sudha, Kapil Randhir S: Absolute configuration and biosynthesis of tiliacorine and tiliacorinine. *J chem Soc chem Comm*, (1978) 226-28.
- G Bhat V S, Nanavati D D: *Andrographis paniculata* (Burm.) Wall. *Indian Drugs*, **15** (1977-78) 187.
- D Brahman M, Saxena H O: A survey of the plants of Orissa (India) for tannins, saponins, flavonoids and alkaloids-II. *Bull bot Surv India*, **20** (1978) 72-79.
- B Chakravarty A K, Dhar T K, Pakrashi S C: Studies on Indian medicinal plants. Part 51: Hispigenin, a novel 22BO-Spirostane from *Solanum hispidum*. *Tetrahedron Lett*, (1978) 3875.
- A Chandel R S, Rastogi R P: Schiwallin, the antidermatophytic constituent from *Schima wallichii*. *Indian J pharm Sci*, **40** (1978) 228.
- E Chandhoke N, Gupta O P, Atal C K: Abortifacient activity of the alkaloid vasicine through release of prostaglandins. *J Steroid Biochem*, **9** (1978) 885.
- E Chandhoke N, Gupta S: Estrogenic activity of DQ1-A steroidal lactone—isolated from *Datura quercifolia*. *Indian J exp Biol*, **16** (1978) 648-52.
- E Chandhoke N, Gupta S, Dhar S: Interceptive activity of various species of *Piper*, their natural amides and semi-synthetic analogs. *Indian J pharm Sci*, **40** (1978) 113-16.
- F Chaudhuri S B, Dey N C, Shukla A K, Bora R K, Saikia B K: Determination of solasodine from *Solanum khasianum* Clarke. *Indian Drugs*, **16** (7) (1978-79) 153-7.
- E Choudhary S N, Balyan S S, Kaul B I: Effect of nitrogen on the growth and yield of *Solanum khasianum* Clarke. *Indian Drugs*, **16** (1978-79) 229-30.
- A Dhan Prakash, Kanwal Raj, Kapil Randhir S, Popli Satya P: Coumarins from *Clausena indica*. *Phytochemistry*, **17** (1978) 1194-95.
- A Gambhir S S, Kapoor N K, Das P K: Tissue catecholamines in *Rana tigrina* and effects of reserpine. *Jap J Pharmacol*, **28** (1978) 493-95.
- E Gandhi Ram: Agronomic evaluation of some new introductions of *Solanum khasianum*. *Indian Drugs*, **16** (1978-79) 46-48.

- F Ganguly D: A resume of R & D on aromatic plants at RRL Jorhat. *Indian Perfum*, **22** (1) (1978) 48-52.
- A Geeta Devi, Kapil R S, Popli S P: Chemical investigation of *Anisomeles malabarica*: Part I—Structures of macrocyclic diterpenes, anisomelolide, malabaric acid, 2-acetoxymalabaric acid, anisomelyl acetate and anisomelol. *Indian J Chem*, **16B** (1978) 441-45.
- E Grewal S, Sharma K: Pyrethrum plant (*Chrysanthemum cinerariaefolium* Vis.) Regeneration from shoot tip culture. *Indian J exp Biol*, **16** (1978) 1119-21.
- E Gupta G K, Dhar K L, Atal C K: Corylinal—A new isoflavone from seeds of *Psoralea corylifolia*. *Phytochemistry*, **17** (1978) 164.
- E Gupta O P, Anand K K, Ray Ghatak B J, Atal C K: Vasicine, alkaloid of *Adhatoda vasica*—A promising uterotonic abortifacient. *Indian J exp Biol*, **16** (1978) 1075-77.
- E Gupta O P, Atal C K: Cyproheptadine—A potent prostaglandin antagonist. *J Steroid Biochem*, **9** (1978) 842.
- E Gupta O P, Gupta S C, Dhar K L, Atal C K: A new piperidine alkaloid from *Piper peepuloides*. *Phytochemistry*, **17** (1978) 601-02.
- C Gupta R C, Paul S R: A white flowered form of *Tephrosia purpurea* (L.) Pers. (Papilionaceae). *Nat Acad Sci Lett*, **1** (1978) 47-48.
- E Gupta R K, Jain M P: A note on estimation of total alkaloids of *Adhatoda vasica* Nees. *Indian Drugs*, **16** (1978-79) 160-61.
- F Hazarika J N, Borah A, Baruah A K S: Effect of NPK fertilizer on the yield and quality of oil of Palmarosa (*C. martinii* Stapf var. *motia*) under influence of seasonal variations. *Indian Perfum*, **22** (1) (1978) 36-39.
- E Jagdev Singh, Handa K L, Rao P R, Atal C K: Recovery of ajmalicine (raubasine) from *Vinca rosea*. *Res & Ind*, **23** (1978) 166-67.
- E Jain M P, Sethi V K, Thakur R S: Chemical examination of *Artemisia grata* Wall. syn. *A. roxburghiana*. *Indian J pharm Sci*, **40** (1978) 102-03.
- A Jauhari P K, Katti S B, Tandon J S, Dhar M M: Coleosol—a new diterpene from *Coleus forskohlii*. *Indian J Chem*, **16B** (1978) 1055-57.
- A Kansal C M, Srivastava S P, Dube C B, Tandon J S: Clinical evaluation of *Coleus forskohlii* on hypertension—a pilot study. *Nagarjun*, **22** (1978) 56-58.
- E Kapahi B K, Sarin Y K: Natural factors governing the growth and alkaloid yield in *Datura innoxia* Mill. *Indian J pharm Sci*, **40** (1978) 14-15.
- E Kapur S K: A note on medicinal ferns of Mawphlang. *Indian Drugs*, **15** (1977-78) 87-90.

- E Kaul B L, Atal C K: Grow *Solanum khasianum* for steroids: *Indian Fmg N S*, **27** (12) (1977-78) 15-16, 21.
- B Mahato S B, Sahu N P, Pal B C: New steroidal saponins from *Dioscorea floribunda*: Structures of floribunda saponins C, D, E & F. *Indian J Chem*, **16B** (1978) 350.
- B Mahato S B, Sahu N P, Pal B C, Chakravarti R N, Chakravarti Debi, Ghosh A: *Kallstroemia pubescens*, a new source for diosgenin Part II. *J Instn Chem India*, **50** (1978) 46.
- B Mahato S B, Sahu N P, Pal B C, Chakravarti R N, Chakravarti Debi, Ghosh A: Screening of *Tribulus terrestris* plants for diosgenin. *J Instn Chem India* **50** (1978) 49.
- A Manandhar Mangala D, Shoeb Aboo, Kapil R S, Popli S P: New alkaloids from *Aegle marmelos*. *Phytochemistry*, **17** (1978) 1814-15.
- E Mathur A C, Sharma A K: Resistance of *Aristolochia* sp. to insect attacks. A chemical basis. *Indian J Hort*, **35** (1978) 406-08.
- A Mehrotra P K, Kamboj V P: Hormonal profile of coronaridine hydrochloride—an antifertility agent of plant origin. *Planta med*, **33** (1978) 345-49.
- C Mitra R, Kapoor S L, Kapoor L D: Epidermal and venation studies in Apocynaceae V. *Bull bot Surv India*, **20** (1978) 20-30.
- C Mitra R, Mehrotra S, Kapoor L D: Pharmacognostical study of 'Palankya' II. *Spinacia oleracea* Linn. leaf. *J Res Indian Med, Yoga*, **13C** (1978) 63-73.
- C Mitra R, Mehrotra S, Kapoor L D: Pharmacognostical study of 'Plaksha' II: Leaf of *Ficus tsiela* Roxb. *J Res Indian Med, Yoga*, **13** (1978) 74-83.
- A Om Prakash, Bhakuni Dewan S, Kapil Randhir S: Biosynthesis of isocorydine (1, 2, 10-trimethoxy-6 α -aporphin-11-ol). *J chem Soc Perkin Trans 1*, (1978) 622-24.
- B Pakrashi S C, Chakravarty A K, Ali E, Dhar T K, Dan S: Studies on Indian medicinal plants. Part 48: Novel 3-aminosolanidanes from *Solanum giganteum*. *J Indian chem Soc*, **55** (1978) 1109.
- E Pandita P N, Bhat B K, Dhar A K, Sharma S L: *Datura innoxia*—a perennial herb (with a text figure). *J Bombay nat Hist Soc*, **74** (1978) 561-63.
- A Pant Pushpa, Rastogi R P: Castanopsin, a new triterpene from *Castanopsis indica*. *Phytochemistry*, **17** (1978) 575-77.
- A Patnaik G K, Dhawan B N: Pharmacological investigations on asclepin—a new cardenolide from *Asclepias curassavica*: Part I—Cardiotonic activity and acute toxicity. *Arzneim Forsch*, **28** (1978) 1095-99.

- A Patnaik G K, Koechler E: Pharmacological investigations on asclepin—a new cardenolide from *Asclepias curassavica*: Part II—Comparative studies on the inotropic and toxic effects of asclepin, g-strophanthin, digoxin and digitoxin. *Arzneim Forsch*, **28** (1978) 1368-72.
- A Patnaik G K, Shoeb A, Manandhar M D, Kapil R S, Popli S P, Dhawan B N: Spasmolytic activity of clausmarin—a new coumarin from *Clausena pentaphylla* (Roxb.) DC. *Indian J Pharmacol*, **10** (1978) 82.
- A Rao M N A, Dubey M P, Rastogi R P: Hypotensive constituents of *Meliosma pungens*. *Indian Drugs*, **16** (1978-79) 188-90.
- A Rao M N A, Mukherjee K C, Patnaik G K, Rastogi R P: Chemical and pharmacological investigation of *Parkinsonia aculeata* L. *Indian Drugs*, **17** (1978-79) 43-46.
- A Rao M N A, Patnaik G K, Rastogi R P: Spasmolytic principle of *Hydrocotyle podantha* Molken. *Indian Drugs*, **16** (1978-79) 185-87.
- A Saha B N, Bordoloi D N: Performance of *Mentha piperita* var. *vulgaris* at Imphal, Manipur. *Indian Perfum*, **22** (2) (1978) 96-98.
- A Saluja M P, Kapil R S, Popli S P: Studies in medicinal plants: Part VI—Chemical constituents of *Moringa oleifera* Lamk. (hybrid variety) and isolation of 4-hydroxymellein. *Indian J Chem*, **16B** (1978) 1044-45.
- E Sharma M L, Chandhoke N, Ray Ghatak B J, Jamwal K S, Gupta O P, Singh G B, Mohd. Ali M, Thakur R S, Handa K L, Rao P R, Jamwal P S, Sarin Y K: Pharmacological screening of Indian medicinal plants. *Indian J exp Biol*, **16** (1978) 228-40.
- A Shoeb Aboo, Manandhar Mangala D, Kapil Randhir S, Popli Satya P: Clausmarins A and B: Two novel spasmolytic terpenoid coumarins from *Clausena pentaphylla* (Roxb.) DC. *J chem Soc chem Comm.* (1978) 281-82.
- E Siddiqi M A, Suri K A, Suri O P, Atal C K: Genus *Crotalaria* Pt. XXXIV—Cronaburmine, a new pyrrolizidine alkaloid from *Crotalaria nana* Burm. *Indian J Chem*, **16B** (1978) 1132-33.
- E Siddiqi M A, Suri K A, Suri O P, Atal C K: Novel pyrrolizidine alkaloid from *Crotalaria nana* (Genus *Crotalaria* Part XXXIII). *Phytochemistry*, **17** (1978) 2143-44.
- C Singh B, Khanna K R, Murty A S: A note on genetic variability for g-alkaloids in *Solanum khasianum* Clarke. *Indian J Hort*, **35** (1978) 145-46.
- A Singh H K, Dhawan B N: Effect of *Bacopa monniera* on the learning ability of rats. *Indian J Pharmacol*, **10** (1978) 72.
- F Singh R S, Chaudhuri S B, Singh K K, Bordoloi D N: Selection of the diosgenin high yielding clones of *Dioscoreas* at Jorhat. *Indian Drugs*, **16** (3) (1978-79) 182-84.

- A Singh R S, Jain S, Bhakuni D S: Structure and stereochemistry of a new abnormal erythrina alkaloid isococculine. *Nat Acad Sci Lett*, **1** (1978) 93-94.
- F Singh R S, Upadhyay D N, Chaudhuri S B, Singh K K, Ganguly D: Performance of Central American diosgenin yielding *Dioscorea*. *Indian Drugs*, **15** (1978) 181-85.
- B Sinha R R, Ali E, Ghosh Dastidar P P, Achari B, Pakrashi S C: A new alkaloid from *Alangium lamarckii* Thw. *Annu Conv Chem Waltaire*, (1978).
- E Sobti S N, Gupta S, Atal C K: Effect of growth regulators—Planofix & Ethrel on seed drop in *Ammi majus* Linn. *Indian J pharm Sci*, **41** (1978) 155-57.
- E Sood S, Gupta B D, Banerjee S K: Constitutions of *Skimmia laureola*. *Planta med*, **34** (1978) 338-39.
- E Sridharan K, Kalla A K, Singh J: Chemical and pharmacological screening of *Piper nigrum* L. leaves. *J Res Indian Med, Yoga*, **13** (1978) 107-08.
- D Srinivasulu C, Sastri S R S, Narasimhan K S, Mahapatra S N: Improved process for the extraction of strychnine and brucine from nuxvomica seeds. *Res & Ind*, **23** (1978) 224-26.
- E Suri J L, Gupta G K, Dhar K L, Atal C K: Psoralenol, a new isoflavone from the seeds of *Psoralea corylifolia*. *Phytochemistry*, **17** (1978) 2046.
- E Suri K A, Suri O P, Dhar K L, Atal C K: Chemical components of *Lappula glochidiata* and *Crotalaria anagyroides*. *Indian J Chem*, **16B** (1978) 78.
- A Tandon J S, Jauhari P K, Singh R S, Dhar M M: Structures of three new diterpenes, coleonol B, coleonol C and deoxycoleonol, isolated from *Coleus forskohlii*. *Indian J Chem*, **16B** (1978) 341-46.
- E Thakur R N, Kaul M, Singh P, Sastry K S M: Studies on stem rot of *Crotalaria candicans*. *Indian J Mycol Plant Pathol*, **8** (1978) 232-33.
- A Tripathi V D, Agarwal S K, Rastogi R P: An antibacterial biphenyl derivative and other constituents of *Atylosia trinervia*. *Phytochemistry*, **17** (1978) 2001-03.
- A Tripathi V D, Agarwal S K, Srivastava O P, Rastogi R P: Antidermatophytic constituents from *Inula racemosa* Hook. f. *Indian J pharm Sci*, **40** (1978) 129-31.
- F Upadhyay D N, Bhagat S D, Singh K K: Chemical weed control in Japanese mint (*Mentha arvensis* L.). *Indian Perfum*, **22** (1978) 30-35.
- E Zutshi U (Miss), Rao P G, Soni A (Miss), Atal C K: Absorption distribution and excretion of scoparone; A potent hypotensive agent. *Indian J exp Biol*, **16** (1978) 836-38.

1979

- B Achari B, Mazumdar P C, Pakrashi S C: Studies on Indian medicinal plants. Part 53: Allylic oxidation of β -sitosterol with N-bromo succinimide and other reagents. *Indian J Chem*, **17B** (1979) 215.
- B Ali E, Bagchi D, Pakrashi S C: Studies on Indian medicinal plants. Part 49: New flavonoids from *Anaphalis araneosa*. *Phytochemistry*, **18** (1979) 356.
- E Anand K K, Dewan Chand, Ray Ghatak B J: Protective effect of alcoholic extract of *Indigofera tinctoria* Linn. in experimental liver injury. *Indian J exp Biol*, **17** (1979) 685-87.
- E Atal C K, Kapur B M: Herbal drugs in Indian system of medicine: In Chemical & Medical Formulary of India, edited by B K Mehra (Basic & Business Pub, Bombay) 7th edn, (1979) pp 503-19.
- A Babbar O P, Bajpai S K, Chowdhury B L, Khan S K: Occurrence of interferon-like antiviral and antitumor factor(s) in extracts of some indigenous plants. *Indian J exp Biol*, **17** (1979) 451-54.
- B Banerji N: Chemical constituents of *Amaranthus spinosus* roots. *Indian J Chem*, **17B** (1979) 180.
- A Bhakuni Dewan S, Jain Sudha, Chaturvedi Rekha: The biosynthesis of nornuciferine-1 (2-methoxy-6 α -aporphine-1-ol). *Tetrahedron*, **35** (1979) 2323-26.
- A Bhakuni D S, Singh A N: Absolute configuration of sebiferine. *Tetrahedron*, **35** (1979) 2365-67.
- E Bhat B K, Kaul M K: Prospects of *Heracleum candicans* Wall. cultivation in Kashmir. *Herba hung*, **18** (1979) 59-62.
- E Bhat H K, Qazi G N, Chopra C L, Dhar K L, Atal C K: Constituents of *Aspergillus niger*. *J Indian chem Soc*, **56** (1979) 934-35.
- B Bhattacharyya J, Pakrashi S C: Studies on Indian medicinal plants. Part 59: The identity of glycophymine and glycosminine, an alkaloid of *Glycosmis arborea* (Roxb.) DC. *Heterocycles*, **12** (1979) 929.
- B Chakravarty A K, Saha C R, Pakrashi S C: Studies on Indian medicinal plants. Part 54: New spirostane saponins and sapogenins from *Solanum hispidum* seeds. *Phytochemistry*, **18** (1979) 902.
- E Chandhoke N: A study on the pharmacological activity of *Datisca cannabina* Linn. *J Res Indian Med, Yoga*, **14** (1979) 53-59.

- C Chaturvedi H C, Chowdhury A R, Aminuddin: Solasodine biosynthesis in seed and seedling-callus of *Solanum khasianum* Clarke grown *in vitro*. *Indian J exp Biol*, **17** (1979) 107-09.
- C Chaturvedi H C, Sinha M: Mass clonal propagation of *Solanum khasianum* through tissue culture. *Indian J exp Biol*, **17** (1979) 153-57.
- C Chaturvedi H C, Sinha M: Tissue culture of some commercial *Dioscoreas*. *Proc Indian Sci Congr*, Pt. III (1979) 124.
- C Dhar L, Shukla D S, Srivastava G S: Cultivation of *Kallstroemia pubescens*—a new source of diosgenin. *Indian J pharm Sci*, **41** (1979) 232-33.
- D Dutta P K, Paul S C, Sahoo S, Saxena H O: Cultivation of medicinal and aromatic plants in Orissa region. *J Orissa bot Soc*, **1** (1979) 21-22.
- B Fujii T, Ohba M, Pakrashi S C, Ali E: Studies on Indian medicinal plants. Part 58: Synthesis of (+)-9-demethylpsychotrine and (+)-10-demethylpsychotrine. *Heterocycles*, **12** (1979) 1463.
- B Fujii T, Ohba M, Pakrashi S C, Ali E: Structure and synthesis of desmethylpsychotrine. *Tetrahedron Lett*, (1979) 4955.
- F Ganguly D, Singh K K, Bhagat S D, Upadhyay D N, Chauhan Y S, Gupta N K, Singh H S: "RRL-JOR 3-1970" An improved strain of Java citronella (*Cymbopogon winterianus* Jowitt). *Indian Perfum*, **23** (2) (1979) 107-11.
- A Garg H S, Khanna N M: Chemical constituents of *Ligustrum neilgherrense* Dalz. & Gibbs. var. *obovata*. *J Indian chem Soc*, **56** (1979) 1040.
- A Geeta Devi, Kapil R S, Popli S P: Synthesis of 5-hydroxy-3', 4', 7, 8-tetramethoxyflavone. *Indian J Chem*, **17B** (1979) 75-76.
- A Geeta Devi, Kapil R S, Popli S P: 4', 5-Dihydroxy-3', 6, 7-trimethoxyflavone from *Anisomeles malabarica* R. Br. *Indian J Chem*, **17B** (1979) 84-85.
- E Grewal S, Kaul L, Ahuja A, Atal C K: Hormonal control of growth organogenesis and alkaloid production in *in vitro* cultures of *Hyoscyamus muticus* Linn. *Indian J exp Biol*, **17** (1979) 558-61.
- A Gupta H P, Mathur I S, Gupta S K: The effect of *Celsia coromandeliana* fractions in rat Walker carcinosarcoma 256. *Indian vet med J*, **3** (1979) 69-72.
- E Gupta O P, Wakhloo R L, Sharma M L, Atal C K: Vasicine—A potent uterine stimulant—studies on human myometrium. *J Obstet Gynaec India*, **29** (1979) 935-38.
- C Gupta R C: Pharmacognostic studies on 'Dhava'—*Anogeissus latifolia* Wall. *Indian J pharm Sci*, **41** (6) (1979) 253.

- E Gupta S, Sobti S N, Atal C K: Tuber dormancy in *Dioscorea composita* Hemsl. Effect of growth-regulators. *Indian J exp Biol*, **17** (1979) 612-14.
- A Jauhari P K, Sharma S C, Tandon J S, Dhar M M: A new flavonol glycoside from *Rudbeckia bicolor* Nutt. *Phytochemistry*, **18** (1979) 359-60.
- A Katti S B, Jauhari P K, Tandon J S: New diterpenes from *Coleus forskohlii*: Structures of the diterpenes coleonol-D, coleol and coleonone. *Indian J Chem*, **18B** (1979) 321-23.
- A Katti S B, Shukla Y N, Tandon J S: Arnebin derivatives for anticancer activity. *Indian J Chem*, **18B** (1979) 440-42.
- A Katti S B, Tandon J S: Chemical investigation on *Daphne papyracea*. *Indian J Chem*, **18B** (1979) 189-90.
- E Kaul B L, Tandon V, Choudhary D K: Cytogenetic studies in *Papaver somniferum* L. *Proc Indian Acad Sci*, **88B** (1979) 321-25.
- B Mahato S B, Pal B C, Kawasaki T, Miyahara K, Tanaka O, Yamasaki K: Structure of cleomeolide, a novel diterpene lactone from *Cleome icosandra* Linn. *J Amer chem Soc*, **101** (1979) 4720.
- A Manandhar M D, Shoeb A, Kapil R S, Popli S P: Studies in medicinal plants: Part V—Di-2-n-propylpentyl phthalate and reticuline from *Cryptocarya amygdalina* Nees. *Indian J Chem*, **18B** (1979) 411-12.
- E Manavalan R, Singh J: Chemical and some pharmacological studies on leaves of *Piper longum* L. *Indian J pharm Sci*, **41** (1979) 190-91.
- E Manavalan R, Suri K A, Suri O P, Atal C K: Genus *Crotalaria*-XXXVI—Some thiopyrrolizidines and antihypertensive agents. *Indian J pharm Sci*, **41** (1979) 131-132.
- A Mehrotra B N: A survey of medicinal plants around Kedarnath shrine of Garhwal Himalayas. *Indian J For*, **105** (1979) 788-801.
- A Mukherjee K C, Patnaik G K, Bhakuni D S, Dhawan B N: Neuromuscular blocking activity of a quaternary alkaloid from *Cocculus laurifolius*. *Indian J Pharmacol*, **11** (1979) 62.
- A Om Prakash, Bhakuni Dewan S, Kapil Randhir S: Diterpenoids of *Roylea calycina* (Roxb.) Briq. *J chem Soc Perkin Trans 1*, (1979) 1305-08.
- A Om Prakash, Bhakuni Dewan S, Kapil Randhir S: Biosynthesis of coclaurine. *J chem Soc Perkin Trans 1*, (1979) 1515-18.
- A Painuly P, Katti S B, Tandon J S: Diterpenes from *Coleus forskohlii*: Structures of coleonol E and coleonol F. *Indian J Chem*, **18B** (1979) 214-16.
- F Pal S, Singh K K: A study of blossom-biology in *Solanum khasianum* Clarke. *Indian For*, **105** (1979) 746-49.

- C Pandey H C, Sharma H P: Pharmacognosy of *Arctium lappa* Linn. root, a possible adulterant of 'Kuth' — a preliminary study. *Indian J pharm Sci*, **41** (5) (1979) 253.
- A Pardasani M, Singh S, Sarin J P S: Chromatographic estimation of vinca-leukoblastine in *Catharanthus roseus* Linn. *Indian J pharm Sci*, **41** (1979) 207-08.
- E Qurishi M A, Dhar K L, Atal C K: A novel withanolide from *Datura quercifolia*. *Phytochemistry*, **18** (1979) 283-84.
- E Qurishi M A, Kalla A K, Dhar K L: A novel withanolide from *Datura quercifolia*. *Phytochemistry*, **18** (1979) 1756-57.
- F Rabha L C, Baruah A K S, Bordoloi D N: Search for aroma chemical of commercial value from plant resources of North East India. *Indian Perfum*, **23** (3) (1979) 178-83.
- E Rishi A K, George V, Kapoor R: Chemical investigation of local plants. Pt. II—Triterpenoids of *Euphorbia wallichii* Hook. f. *Planta med*, **35** (1979) 193-94.
- A Rizvi S H, Shoeb A, Kapil R S, Popli S P: Studies in medicinal plants: Part VII—Spasmolytic coumarins from *Boenninghausenia albiflora* Reichb. *Indian J pharm Sci*, **41** (1979) 205-06.
- F Saha B N, Kanjilal P B, Singh R S, Singh K K, Bordoloi D N, Ganguly D: Multilocal trial of three strains (RRL-JOR-3-1970), Jorhat strains and Bangalore strains of Java citronella (*Cymbopogon winterianus* Jowitt) *Indian Perfum*, **23** (2) (1979) 112-5.
- D Saxena H O, Brahmam M: Industrially important minor forest products of Orissa. *Proc Symp Prod Util For Prod*, RRL Jammu, **3** (1979) 176-183.
- D Saxena H O, Brahmam M, Dutta P K: A survey of *Costus speciosus* (Koenig) Sm. for diosgenin in Orissa. *Indian J pharm Sci*, **41** (1979) 64.
- D Saxena H O, Brahmam M, Dutta P K: Survey of aromatic and medicinal plants in Orissa. *J Orissa bot Soc*, **1** (1979) 19-20.
- A Saxena N K, Bhakuni D S: New synthesis of crotonoside. *Indian J Chem*, **18B** (1979) 344-47.
- A Saxena N K, Bhakuni D S: The quaternary alkaloids of *Cocculus laurifolius* DC. *J Indian chem Soc*, **56** (1979) 1020-23.
- E Sehgal C K, Kachroo P L, Sharma R L, Taneja S C, Dhar K L, Atal C K: Syntheses of *cis* & *trans*-2-methoxy 4, 5-methylenedioxycinnamoyl-piperidide & revised structure of a new alkaloid from *Piper peepuloides*. *Phytochemistry*, **18** (1979) 1865-67.
- A Sharma Padam N, Shoeb A, Kapil R S, Popli S P: Studies in medicinal

- plants: Part IV—Alkaloids and coumarins from *Toddalia asiatica* Lamk. *Indian J Chem*, **18B** (1979) 299-300.
- C Shome U, Khanna R K, Sharma H P: Pharmacognostic studies on the flower of *Butea monosperma* (Lam.) Kuntze. *Indian J pharm Sci*, **41** (5) (1979) 253.
- C Shome U, Khanna R K, Sharma H P: Pharmacognostic studies on *Dillenia indica* Linn. — I. *Proc Indian Acad Sci*, **88B** (1) (1979) 35-48.
- E Siddiqi M A, Suri K A, Suri O P, Atal C K: Genus *Crotalaria*-XXXV-Pyrrolizidine alkaloids for the preparation of pharmacodynamic compounds. *Indian J pharm Sci*, **41** (1979) 129-30.
- E Siddiqi M A, Suri K A, Suri O P, Atal C K: New pyrrolizidine alkaloids from *Crotalaria candicans*. *Phytochemistry*, **18** (1979) 1413-15.
- E Singh C, Gandhi Ram, Kaul B L: Effect of low doses of radiations on growth of some *Datura* spp. *Geobios*, **6** (1979) 32-34.
- F Singh R S, Bhagat S D, Singh K K, Ganguly D: A note on the components of oil of Ninde (*Aeolanthus gambelliae*). *Indian Drugs Pharmac Ind*, **14** (1) (1979) 25-7.
- F Singh R S, Pathak M G, Singh K K: Dynamics and diurnal changes in oil of Java citronella (*Cymbopogon winterianus* Jowitt). *Indian Perfum*, **23** (2) (1979) 116-20.
- A Tandon Jai Shankar, Katti Seturam Bandacharya, Ruedi Peter, Engster Conrad Hans: Crocetin dialdehyde from *Coleus forskohlii* Briq. (Labiateae). *Helv chim Acta*, **62** (1979) 2706-07.
- A Tandon Sheela, Rastogi R P: Recent advances in naturally occurring coumarins. *J sci industr Res*, **38** (1979) 428-41.
- A Tandon Sheela, Rastogi R P: Strictic acid, a novel diterpene from *Conyza stricta*. *Phytochemistry*, **18** (1979) 494-95.
- E Thakur R N, Bhat B K: Phytophthora root rot of *Atropa belladonna* in Kashmir valley. *Indian J Mycol Plant Path*, **9** (1979) 82.
- A Tripathi V D, Agarwal S K, Rastogi R P: Chemical constituents of *Rhamnus nepalensis*. *Indian J Chem*, **17B** (1979) 89-90.

1980

- B Achari B, Ali E, Ghosh Dastidar P P, Sinha R R, Pakrashi S C: Studies on Indian medicinal plants. Part 56: Alkaloids from *Alangium lamarckii* Thw. *Planta med*, (suppl) (1980) 5.
- A Agarwal P K, Agarwal S K, Rastogi R P: Dihydroflavanols from *Cedrus deodara*. *Phytochemistry*, **19** (1980) 893-96.
- A Agarwal P K, Agarwal S K, Rastogi R P: A new neolignan and other phenolic constituents from *Cedrus deodara*. *Phytochemistry*, **19** (1980) 1261-63.
- A Agarwal S K, Rastogi R P, Koningsveld H van, Goubitz K, Olthof G J: Molecular structure of 4a, 5, 8, 8a-tetrahydro-11, 14-dimethoxy-7-methyl-4a-(3-methyl-2-butenyl)-5, 8a-O-benzene-1, 4-naphthoquinone. *Tetrahedron*, **36** (1980) 1435-38.
- E Atal C K: Chemistry & pharmacology of vasicine—A new oxytocic and abortifacient. RRL, Jammu, (1980) pp 155.
- E Atal C K, Singh B, Sukhvir Kaur, Surjeet Singh, Singh G B, Gupta C L: Primate chronic toxicity study on Salai guggal ex-*Boswellia serrata*—a new arthritic drug. *Indian J Pharmacol*, **15** (1980) 39.
- E Balyan S S, Ajit Singh, Choudhary S N: Response of *Costus speciosus* Sims. to levels of poultry manure and seed rate. *Indian Drugs*, **17** (1979-80) 203-06.
- B Banerji N: Two new saponins from the root of *Amaranthus spinosus* Linn. *J Indian chem Soc*, **57** (1980) 417.
- B Banerji N, Das A K: A novel process for the preparation of pure D-galactose from green bael-fruit (*Aegle marmelos*) gum. *J Instn Chem India*, **52** (1980) 57.
- B Banerji N, Kumar R: Studies on the seed-oil of *Aegle marmelos* and its effect on some bacterial species. *J Instn Chem India*, **52** (1980) 59.
- B Banerji N, Maity M: Some physico-chemical studies on a protein-rich fruit seed (*Aegle marmelos*). *J Indian chem Soc*, **57** (1980) 945.
- A Bhakuni Dewan S, Jain Sudha: Late stages in the biosynthesis of abnormal erythrina alkaloids. *Tetrahedron*, **36** (1980) 2153-56.
- A Bhakuni Dewan S, Jain Sudha, Gupta Sandeep: Biosynthesis of tetrahydro-palmatine and palmatine. *Tetrahedron*, **36** (1980) 2491-95.

- A Bhakuni Dewan S, Jain Sudha, Singh Awadhesh N: Biosynthesis of cocsulinin. *J chem Soc Perkin Trans 1*, (1980) 390-93.
- A Bhakuni Dewan S, Jain Sudha, Singh Awadhesh N: Biosynthesis of the bisbenzylisoquinoline alkaloid tetrandine. *Phytochemistry*, **19** (1980) 2347-50.
- A Bhakuni Dewan S, Jain Sudha, Singh Ravi S: Biosynthesis of magnoflorine and laurifoline. *Tetrahedron*, **36** (1980) 2525-28.
- A Bhakuni Dewan S, Singh Awadhesh N, Jain Sudha: Biosynthesis of isotetrandine. *Tetrahedron*, **36** (1980) 2149-51.
- A Bhandari Prabha, Tandon Sheela, Rastogi R P: Eriocide, a new coumarin glucoside from *Lasiosiphon eriocephalus*. *Phytochemistry*, **19** (1980) 1554-55.
- B Chakravarty A K, Dhar T K, Pakrashi S C: Studies on Indian medicinal plants. Part 55: Solaspigenin and neosolaspigenin, two new spirostane sapogenins from *Solanum hispidum*. *Phytochemistry*, **19** (1980) 1249.
- B Chakravarty A K, Saha C R, Dhar T K, Pakrashi S C: Studies on Indian medicinal plants. Part 57: Constituents of some *Solanum* species. Mass spectra of nuatigenin and isonuatigenin. *Indian J Chem*, **19B** (1980) 468.
- A Chandel R S, Rastogi R P: Pygeoside, a new lignan xyloside from *Pygeum acuminatum*. *Indian J Chem*, **19B** (1980) 279-82.
- A Chandel R S, Rastogi R P: Saponins of *Schima wallichii*. *Indian J Chem*, **19B** (1980) 283-89.
- A Dhan Prakash, Kanwal Raj, Kapil R S, Popli S P: Chemical constituents of *Clausena lansium*: Part I—Structure of lansamide-I and lansine. *Indian J Chem*, **19B** (1980) 1075-76.
- A Dhawan B N, Dubey M P, Mehrotra B N, Rastogi R P, Tandon J S: Screening of Indian plants for biological activity: Part IX. *Indian J exp Biol*, **18** (1980) 594-606.
- C Dixit B S, Srivastava S N, Sirkar K P, Bhatt G R: Detection of diosgenin in *Costus speciosus* by gas liquid chromatography. *Indian Drugs*, **18** (1980-81) 251-52.
- B Fujii T, Ohba M, Popelak A, Pakrashi S C, Ali E: Structure of demethyltubulosine—A total synthesis of (+) demethyltubulosine. *Heterocycles*, **14** (1980) 971.
- B Giri V S, Ali E, Pakrashi S C: Convenient total synthesis of (D1)-quebrachamine. *J heterocyclic Chem*, **17** (1980) 1133.
- E Gupta B K, Gupta G K, Dhar K L, Atal C K: Psoralidin oxide, a coumestan from the seeds of *Psoralea corylifolia*. *Phytochemistry*, **19** (1980) 2232-33.

- C Gupta M N, Laxmi V, Dixit B S, Srivastava S N: Effects of gamma irradiation on tuber yield and diosgenin content of *Dioscorea floribunda* Mart. & Gal. *Indian J pharm Sci*, **42** (1980) 18-19.
- E Gupta S, Sobti S N: Some observation on growth & diosgenin content of Mexican *Dioscorea* introduced at Jammu. *Indian Drugs*, **18** (1980-81) 435-40.
- A Jain G K, Pal R, Khanna N M: Spermicidal saponins from *Pittosporum nilgherense* W. & A. *Indian J pharm Sci*, **42** (1980) 12-13.
- E Jain M P, Koul S K, Dhar K L, Atal C K: Novel nor-harmal alkaloid from *Adhatoda vasica*. *Phytochemistry*, **19** (1980) 1880-82.
- A Khanna Nandoo M, Sarin Jagat P S, Nandi Ranesh C, Singh Satyawar, Setty B Sreenivasulu, Kamboj Ved P, Dhawan Bhola N (with collaboration of others): Isaptent—A new cervical dilator. *Contraception*, **21** (1980) 29-40.
- C Laxmi V, Gupta M N, Shukla P, Dixit B S, Srivastava S N: Effects of gamma irradiation on growth and diosgenin content of *Costus speciosus* Smith. *Indian Drugs*, **17** (1979-80) 371-75.
- B Mahato S B, Das M C, Sahu N P: Triterpenoids of *Scoparia dulcis*. *Phytochemistry*, **20** (1980) 171.
- B Mahato S B, Sahu N P, Das M C: Enzymic transformation of diosgenin glycosides. *J chem Res (S)*, (1980) 64.
- B Mahato S B, Sahu N P, Ganguly AN: Carbon-13 NMR spectra of dioscin and gracillin isolated from *Costus speciosus*. *Indian J Chem*, **19B** (1980) 817.
- B Mahato S B, Sahu N P, Ganguly A N: Steroidal saponins from *Dioscorea floribunda*: structures of floribunda saponins A and B. *Phytochemistry*, **20** (1981) 1943.
- B Mahato S B, Sahu N P, Ganguly A N: Steroidal alkaloids from *Solanum khasianum*: application of ¹³C NMR spectroscopy for their structural elucidation. *Phytochemistry*, **19** (1980) 2017.
- B Mahato S B, Sahu N P, Ganguly A N, Miyahara K, Kawasaki T: Steroidal glycosides of *Tribulus terrestris*. *J chem Soc Perkin Trans 1*, (1981) 2405.
- B Mahato S B, Sahu N P, Roy S K: High performance liquid chromatographic method for determination of diosgenin in plants. *J Chromat*, **206** (1981) 169.
- B Mahato S B, Sen A K, Majumdar P C, Yamasaki K: Diterpenes of *Conyza stricta*, Identification of conyzic acid, seconidoresedasaure and strictic acid. *Phytochemistry*, **20** (1981) 850.
- A Malik O P, Kapil R S, Anand Nitya: Studies on cannabinoids: Part IV—Synthesis of 9, 10, 11, 11a-tetrahydro-3-methoxy-6H, 8H-pyrido-[1, 2-c][1,

- 3] benzoxazine involving an unusual case of demethylation by lithium aluminium hydride. *Indian J Chem*, **19B** (1980) 912-14.
- A Mangla V K, Bhakuni D S: A new synthesis of septicine, a secophenanthroindolizidine alkaloid. *Indian J Chem*, **19B** (1980) 748-49.
- A Mangla V K, Bhakuni D S: Synthesis of tylophorine. *Tetrahedron*, **36** (1980) 2489-90.
- C Mehrotra S, Mitra R: Pharmacognostical study of "Priyal" (*Buchanania lanzan* Spreng.) leaf. *Bull medico-ethno-bot Res*, **1**(3) (1980) 338-52.
- C Mitra R, Mehrotra S: Pharmacognostical study on 'Priyal': Fruit and seed of *Buchanania lanzan* Spreng. *Bull bot Surv India*, **22** (1980) 68-76.
- C Mitra R, Mehrotra S: Pharmacognostical studies on Plaksha—I: Stem-bark of *Ficus virens* Ait. (Moraceae). *Bull medico-ethno-bot Res*, **1** (2) (1980) 179-95.
- C Mitra R, Mehrotra S: Pharmacognostical study of 'Plaksha'—IV: Leaf of *Ficus virens* Ait. *Bull medico-ethno-bot Res*, **1** (3) (1980) 361-78.
- B Pakrashi S C, Achari B, Ali E, Ghosh Dastidar P P, Sinha R R: Studies on Indian medicinal plants. Part 61: Novel benzopyridoquinolizine bases from *Alangium lamarckii* Thw. *Tetrahedron Lett*, **21** (1980) 2667.
- B Pakrashi S C, Achari B, Chakravarty S, Ghosh Dastidar P P: Studies on Indian medicinal plants. Part 60: (125)-7, 12-secoiswaran-12-ol, a new type of sesquiterpene from *Aristolochia indica*. *J org Chem*, **45** (1980) 4765.
- C Pandey M B, Jain R K, Dixit B S, Srivastava S N: Cultivation of *Costus speciosus* (Koenig) Sm. in Lucknow. *Indian J pharm Sci*, **42** (3) (1980) 91-92.
- A Pant Pushpa, Rastogi R P: Agarol, a new sesquiterpene from *Aquilaria agallocha*. *Phytochemistry*, **19** (1980) 1869-70.
- G Rama Rao A V, Venkatswamy G, Yemul S S: Xanthochymol & isoxanthochymol, two novel polyisoprenylated benzophenones from *Garcinia xanthochymus*. *Indian J Chem*, **19B** (1980) 627.
- A Rastogi Kamesh, Kapil Randhir S, Popli Satya P: New alkaloids from *Glycosmis mauritiana*. *Phytochemistry*, **19** (1980) 945-48.
- A Rastogi K, Kapil R S, Popli S P: New alkaloids from *Tabernaemontana divaricata*. *Phytochemistry*, **19** (1980) 1209-12.
- A Rizvi Shakir H, Shoeb Aboo, Kapil Randhir S, Popli Satya P: Two diuretic triterpenoids from *Antidesma menasu*. *Phytochemistry*, **12** (1980) 2409-10.
- A Rizvi S H, Shoeb A, Kapil R S, Popli S P: Antidesmanol—a new pentacyclic triterpenoid from *Antidesma menasu* Miq. ex Tul. *Experientia*, **36** (1980) 135.

- F Saha B N, Baruah A K S, Singh K K, Bordoloi D N: Performance of SD-68 Lemongrass strain at Sepahijala, Tripura. *Indian Perfum*, **24** (2) (1980) 85-87.
- A Sahai Raghavendra, Agarwal S K, Rastogi R P: Auriculoside, a new flavan glycoside from *Acacia auriculiformis*. *Phytochemistry*, **19** (1980) 1560-62.
- E Sastry K S M, Vransy J, Thakur R N, Singh P: Laboratory screening of six fungi toxicants against two soil borne plant pathogens causing root rot in *Atropa belladonna* & *Datura innoxia*. *Indian Drugs*, **17** (1980) 31-34.
- A Saxena N K, Bhakuni D S: Quaternary alkaloids of *Tiliacora racemosa* Colebr. *J Indian chem Soc*, **57** (1980) 773-74.
- B Sen A K, Sarkar K K, Majumder P C, Banerji N: Isolation of three new xanthonenes from *Garcinia mangostana* Linn. *Indian J Chem*, **19B** (1980) 1008.
- B Sen A K, Sarkar K K, Majumder P C, Banerji N: Minor xanthonenes of *Garcinia mangostana* Linn. *Phytochemistry*, **20** (1980) 183.
- B Sen A K, Sarkar K K, Majumder P C, Banerji N, Hase T: A new xanthone from *Garcinia mangostana* Linn. *Phytochemistry*, **19** (1980) 2223.
- A Sharma Padam N, Shoeb Aboo, Kapil Randhir S, Popli Satya P: Synthesis of toddanol and toddanone. *Indian J Chem*, **19B** (1980) 938-39.
- A Sharma Padam N, Shoeb Aboo, Kapil Randhir S, Popli Satya P: Toddasin—a new dimeric coumarin from *Toddalia asiatica*. *Phytochemistry*, **19** (1980) 1258-60.
- A Sharma R B, Seth R, Kapil R S: Synthesis of koenigicine. *Experientia*, **36** (1980) 815.
- F Sharma R K, Bordoloi D N, Choudhury S B: Prospects of pyrethrum cultivation in Meghalaya. *Pesticides*, **K (6)** (1980) 27-29.
- C Shome U, Khanna R K, Sharma H P: Pharmacognostic studies on the flower of *Butea monosperma* (Lam.) Kuntze. *New Botanist*, **7** (1980) 111-25.
- C Shome U, Khanna R K, Sharma H P: Pharmacognostic studies on *Dillenia indica* Linn.—II: fruit and seed. *Proc Indian Acad Sci. (Pl Sci)*, **89** (2) (1980) 91-104.
- F Singh R S, Choudhuri S B, Bordoloi D N: Effect of NPK on yield of diosgenin from *Dioscorea floribunda* Mart & Gal. *Indian Drugs*, **18** (8) (1980-81) 280-84.
- F Singh R S, Singh K K: Propagation of *Dioscorea floribunda* Mart & Gal. by air and ground layering. *Indian For*, **106** (1980) 805-09.
- F Singh R S, Pathak M G, Bordoloi D N: Response of Java citronella

- cultivars to nitrogen under Jorhat condition. *Indian Perfum*, **24** (4) (1980) 192-98.
- F Singh R S, Singh K K, Hazarika J N: Effect of varying levels and methods of application of nitrogen on the yield of Palmarosa (*Cymbopogon martinii* Stapf var. *motia*). *Chem Petro-chem J*, **11** (10) (1980) 29-31.
- D Srinivasulu C, Rao K M, Vijayalakshmi K, Mahapatra S N: Production of steroid raw material from waste sisal juice. "Recycling Residues of Agriculture and Industry", (1980) 229-31.
- A Srivastava G N, Rizvi N S, Dasgupta P K, Srivastava Kartar, Khanna N M: Effect of *Boerhaavia diffusa* Linn. extract on blood coagulation in normal and IUD-inserted rhesus monkeys. *Indian J Biochem Biophys*, **17** (Suppl) (1980) 14.
- B Srivastava G S, Mahato S B, Dhar L, Roy S K: Experimental cultivation of *Kallstroemia pubescens* and variation of its diosgenin content. *Indian Drugs*, **18** (1980-81) 431.
- A Tandon Renu, Jain G K, Pal R, Khanna N M: Esculentinic acid: A new triterpene acid from *Diplazium esculentum* (Retz.) Sq. ex Schrad. *Indian J Chem*, **19B** (1980) 819-20.
- A Tandon R N, Srivastava O P, Baslas R K, Kumar P: Preliminary investigation of the antimicrobial activity of a phytochemical, xanthochymol, from the fruits of *Garcinia xanthochymus* Hook. f. *Curr Sci*, **49** (1980) 472-73.
- E Wakhloo R L, Kaul Girja, Gupta O P, Atal C K: Safety of vasicine hydrochloride in human volunteers. *Indian J Pharm*, **12** (1980) 129-31.
- E Zutshi U, Rao P G, Soni A, Gupta O P, Atal C K: Absorption and distribution of vasicine, a novel uterotonic. *Planta med*, **40** (1980) 373-77.
- G Phenolics from the bark of *Chloroxylon swietenia* DC. *Indian J Chem*, **19B** (1980) 1046.

1981

- B Achari B, Chakrabarty S, Pakrashi S C: Studies on Indian medicinal plants. Part 63: An N-glycoside and steroids from *Aristolochia indica*. *Phytochemistry*, **20** (1981) 1444.
- A Agarwal P K, Agarwal S K, Rastogi R P: Dihydroflavanols from *Cedrus deodara*—A ^{13}C NMR study. *Planta med*, **43** (1981) 82-85.
- A Agarwal P K, Rastogi R P: Terpenoids from *Cedrus deodara*. *Phytochemistry*, **20** (1981) 1319-21.
- A Agarwal PK, Rastogi R P: ^{13}C NMR spectroscopy of flavonoids. *Heterocycles*, **16** (1981) 2181-236.
- E Atal C K, Gupta O P, Singh G B: *Salai guggal*; a promising anti-arthritic and anti-hyperlipidemic agent. *Brit J Pharmacol*, **74** (1981) 203-04.
- E Atal C K, Gupta O P, Singh G B: Studies on pangamic acid—a nutritional and a therapeutic agent. *Brit J Pharmacol*, **74** (1981) 299-300.
- E Atal C K, Zutshi U, Rao P G: Scientific evidence on the role of Ayurvedic herbals on bioavailability of drugs. *J Ethnopharmacol*, **4** (1981) 229-232.
- A Bhakuni D S, Jain S: The biosynthesis of laurifine. *Tetrahedron*, **37** (1981) 3171-74.
- A Bhakuni D S, Jain S: The biosynthesis of the alkaloids of *Croton sparsiflorus* Morong. *Tetrahedron*, **37** (1981) 3175-81.
- A Bhakuni D S, Jain Sudha: Absolute configuration and biosynthesis of tiliacorine and tiliacorinine. *J chem Soc Perkin Trans 1*, (1981) 2598-603.
- A Bhakuni D S, Mangla V K: Synthesis of laurifonine. *Indian J Chem*, **20B** (1981) 531-33.
- A Bhakuni D S, Mangla V K: Biosynthesis of tylophorine and tylophorinine. *Tetrahedron*, **37** (1981) 401-07.
- A Bhakuni D S, Singh A N, Jain Sudha: The structure, absolute configuration and biosynthesis of nortiliacorine-A. *Tetrahedron*, **37** (1981) 2651-56.
- A Bhandari Prabha, Rastogi R P: A novel type bicoumarin rhamnoside from *Lasiosiphon eriocephalus*. *Phytochemistry*, **20** (1981) 2044-47.
- A Bhandari Prabha, Tandon Sheela, Rastogi R P: Chemical constituents of *Lasiosiphon eriocephalus*. *Planta med*, **41** (1981) 407-09.

02264

DR 435

COMMUNITY HEALTH CELL
326, V Main, 1 Block
Koramangala
Bangalore-560034

- A Bhatia S K, Om Prakash, Kapil R S: Biosynthesis of codeine using CMR spectroscopy. *Indian J Chem*, **20B**(1981) 7012.
- E Bohlmann F, Grenz M, Dhar A K, Goodman M: Labdane derivatives and flavones from *Gutierrezia dracunculoides*. *Phytochemistry*, **20** (1981) 105-107.
- B Chakravarty A K, Pakrashi S C, Ujawa J: Studies on Indian medicinal plants. Part 62: ^{13}C NMR spectra of 23-hydroxy spirostane sapogenins from *Solanum hispidum*. *Canad J Chem*, **59** (1981) 1328.
- E Choudhary D K, Kaul B L: The alkaloids of *Papaver somniferum* L. and their biosynthesis. *Indian Drugs*, **19**(1981-82) 229-232.
- G Deshpande V H, Patil A D: Flavonoids of *Acacia catechu* heartwood. *Indian J Chem*, **20B** (1981) 628.
- G Deshpande V H, Patil A D: Chemical constituents of *Anogeissus latifolia* heartwood, Isolation of 3, 3'-di-O-methylellagic acid 4'- β -D-glucoside. *Indian J Chem*, **20B** (1981) 1010.
- E Dhar K L, Jain M P, Koul S K, Atal C K: Vasicol, a new alkaloid from *Adhatoda vasica*. *Phytochemistry*, **20** (1981) 319-21.
- A Dubey M P, Srimal R C, Nityanand S, Dhawan B N: Pharmacological studies on coleonol, a hypotensive diterpene from *Coleus forskohlii*. *J Ethnopharmacol*, **3** (1981) 1-13.
- B Dutta P K, Chakravarty A K, Chowdhury U S, Pakrashi S C: Studies on Indian medicinal plants. Part 64: Vicine, a favism inducing toxin from *Momordica charantia* Linn. seeds. *Indian J Chem*, **20B** (1981) 669.
- A Gupta M B, Nath R, Gupta G P, Bhargava K P: Antiulcer activity of some plant terpenoids. *Indian J med Res*, **73** (1981) 649-52.
- F Hazarika J N, Mishra B P, Borah A C: Effect of the spacings on yield of green herb and oil of Palmarosa (*Cymbopogon martinii* Stapf var. *motia*) under Jorhat condition. *Indian Perfum*, **25** (3-4) (1981) 56-59.
- A Kamboj V P, Dhawan B N: Current status of plants investigated for fertility regulation in India. *Korean J Pharmacol*, **12** (1981) 111-18.
- F Kanjilal P B, Singh R S, Pathak M G, Bordoloi D N: Studies on population pressure and performance of crop raised by seedlings vs slips on yield of Palmarosa (*Cymbopogon martinii* Stapf). *Indian Perfum*, **25** (1) (1981) 51-55.
- C Khanna K R, Srivastava S N, Dixit B S, Singh S P: *Kallstroemia pubescens* as diosgenin-yielding crop. *Indian J pharm Sci*, **43** (1981) 172-75.
- C Mehrotra S, Shome U, Sharma H P: Pharmacognostic studies of *Buchanania axillaris* (Desr.) Ramam. leaf. *New Botanist*, **8** (1981) 17-26.

- C Mitra R, Mehrotra S: Pharmacognostical studies of 'Priyal' *Buchanania lanzan* Spreng. stem-bark. *Herba hung*, **20** (1981) 15-31.
- B Naito T, Miyata O, Ninomiya I, Pakrashi S C: Cyclization reaction of L-methylene-2-nicotinyl-1, 2, 3, 4-tetrahydroisoquinolines and a total synthesis of alamarine. *Heterocycles*, **16** (1981) 725.
- G Narayanan C R, Naik D G: A new triterpenoid & steroid from Indian Kurchi bark. *Indian J Chem*, **20B** (1981) 62.
- A Nath C, Gupta G P, Bhargava K P, Lakshmi V, Singh S, Popli S P: Study of antiparkinsonian activity of seeds of *Mucuna prurita* Hook. *Indian J Pharmacol*, **13** (1981) 94.
- B Pakrashi S C, Sinha R R, Ali E: Alangimarine and isoalangimarine, novel pyrido-benzoquinolizidine alkaloids of biogenetic interest from *Alangium lamarckii*. *Symp Adv Chem nat Prod Biogenesis, Nainital*, (1981) .
- D Paul S C, Sahoo S, Dutta P K: Effect of IAA, GA and MH on growth and yield of *Solanum viarum*. *J Orissa bot Soc*, **3** (1) (1981) 52-53.
- D Rao Y R, Bapuji M, Vijayalakshmi A, Sree K, Rao K M, Mahapatra S N: Production of vegetable steroid sapogenins through agroindustries. *Proc Int Conf agric Engg and Agroindustries in Asia, Bangkok*, (1981).
- A Sahai R, Rastogi R P, Jakupovic J, Bohlmann F: A new diterpene from *Euphorbia maddenii*. *Phytochemistry*, **20** (1981) 1665-67.
- F Sarma T C, Choudhuri S B, Bordoloi D N: Response of different levels of N P & K on herb yield and digoxin content of *Digitalis lanata* Ehrb. *Indian Drugs*, **19** (7) (1981-82) 267-70.
- D Saxena H O, Brahmam M, Dutta P K: Ethnobotanical studies in Orissa. In *Glimpses of Indian Ethnobotany*, edited by S K Jain. Oxford and IBH Publishing Co. (1981), pp. 232-244.
- E Sharma S D, Dhar P L, Bhan M K: An improved method for the assay of total alkaloids calculated as hyoscyamine in *Atropa belladonna* Linn. *Indian J pharm Sci*, **43** (1981) 228-29.
- A Sharma P N, Shoeb A, Kapil R S, Popli S P: Toddanol and toddanone, two coumarins from *Toddalia asiatica*. *Phytochemistry*, **20** (1981) 335-36.
- A Sharma P N, Shoeb A, Kapil R S, Popli S P: Toddalidimerine—a new dimeric benzophenanthridine alkaloid from *Toddalia asiatica*. *Phytochemistry*, **20** (1981) 2781-83.
- A Sharma P N, Shoeb A, Kapil R S, Popli S P: Chemical constituents of *Toddalia asiatica*. *Indian J Chem*, **20B** (1981) 936-37.
- A Sharma R B, Seth Renu, Anwar Falak, Kapil R S: Synthesis of mupamine. *Indian J Chem*, **20B** (1981) 702-03.

- A Sharma R B, Swaroop D, Kapil R S: Synthesis of 3-(1, 1-dimethylallyl) xanthyletin. *Indian J Chem*, **20B** (1981) 153-54.
- A Sharma V, Kapil R S: Synthesis of (+)-stephanine. *Indian J Chem*, **20B** (1981) 70-71.
- C Shome U, Mehrotra S, Sharma H P: Pharmacognostic studies on the flower of *Woodfordia fruticosa* Kurz. *Proc Indian Acad Sci (Pl Sci)*, **90** (4) (1981) 335-51.
- A Singh Chandan: Conversion of hederagenin into olean-11, 13(18)-dien-3/3, 23, 28-triol. *Indian J Chem*, **20B** (1981) 919-20.
- A Singh Chandan, Popli S P: Solvolysis of 3/3, 23-ditosyloxy system in oleanane series. *Indian J Chem*, **20B** (1981) 913-15.
- F Singh R S, Pathak M G, Bordoloi D N: Studies on NPK requirement of Palmarosa under agro-climatic conditions of Jorhat. *Pafai J*, **3** (3) (1981) 32-34.
- A Singh V K, George C X, Gupta B M: An adaptogen from plant *Panax ginseng*, orally active in mice against experimental viral encephalitis. *Interferon Scientific Memoranda (USA)*, I-AS83/1 (1981) 8.
- E Suri K A, Sood R P, Suri O P, Atal C K, Singh G B: Synthesis of potential antiinflammatory compounds. *Indian J pharm Sci*, **43** (1981) 226-28.
- A Tandon Renu, Jain G K, Pal R, Khanna N M: Chemical examination of *Polemonium coeruleum* Linn. *Indian J Chem*, **20B** (1981) 46-49.
- A Tripathi V D, Rastogi R P: Flavonoids in biology and medicine. *J sci industr Res*, **40** (1981) 116-24.
- E Zutshi U, Kaul J L: The impact of Ayurvedic herbals on drug bioavailability. *Indian Drugs*, **19** (1981-82) 476-79.

1982

- B Achari B, Chakrabarty S, Bandyopadhyay S, Pakrashi S C: Studies on Indian medicinal plants. Part 69: A new 4, 5-dioxo aporphine and other constituents of *Aristolochia indica*. *Heterocycles*, **19** (1982) 1203.
- A Agarwal P K, Rastogi R P: Two lignans from *Cedrus deodara*. *Phytochemistry*, **21** (1982) 1459-61.
- E Ahuja A, Parshad R, Grewal S: *Catharanthus roseus* (L.) G. Don. Tissue Culture: Growth, differentiation and secondary metabolism. *Indian J pharm Sci*, **44** (1982) 78-81.
- E Ajit Singh, Atal C K: Cultivation of buckwheat in the plains as a raw material for rutin. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu (1982) pp 337-34.
- B Ali E, Bagchi D, Pakrashi S C: Studies on Indian medicinal plants. Part 65: Helipyronone from *Anaphalis araneosa* and its synthesis. *Phytochemistry*, **21** (1982) 243.
- B Ali E, Chakraborty P K, Chakravarty A K, Pakrashi S C: Synthesis and stereochemistry of (+)-vincatine. *Heterocycles*, **19** (1982) 1667.
- B Ali E, Sinha R R, Achari B, Pakrashi S C: Studies on Indian medicinal plants. Part 70: Demethyl-protoemetinols from *Alangium lamarckii*. *Heterocycles*, **19** (1982) 2301.
- A Aswal B S, Mehrotra B N: *Delphinium uncinatum* Hook. f. & Thoms. (Ranunculaceae) and *Lilium wallichianum* Schult. (Liliaceae), two rare find from the North-West Himalayas. *J econ taxon Bot*, **3** (1982) 773-75.
- E Atal C K: Chemistry of some biologically active Indian medicinal plants. *Proc Indian nat Sci Acad*, **48A** (Suppl) (1982) 99-121.
- E Atal C K, Kapur B M (Eds): *Cultivation & Utilization of Medicinal Plants*. RRL, CSIR, Jammu (1982) pp 877.
- E Atal C K, Pushpangadan P, Sobti S N, Khosla M K: A low cost method for raising early seedlings and rooted cuttings of medicinal and aromatic plants in North-Western India. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu (1982) pp 765-770.
- E Atal C K, Sharma M L, Khajuria A, Kaul A, Arya R K: Thrombopoietic activity of vasicinehydrochloride. *Indian J exp Biol*, **20** (1982) 704-09.

- E Atal C K: Saffron in Kashmir *In Proc Symp Flavours & their Industrial Applications*. Jammu and PAFAI, (1982), pp 52-55.
- A Babbar O P, Joshi M N, Madan A R: Evaluation of plants for anti-viral activity. *Indian J med Res*, **76** (Suppl) (1982) 54-65.
- E Bahl B K, Vashist V N, Atal C K: Cultivation of Celery seed in India. *In Cultivation & Utilization of Aromatic Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu (1982) pp 497-501.
- B Banerji N, Maity M, Sen S, Dutta P C: Pharmacognosy of *Aegle marmelos* (L.) Correa seed: A new protein source. *Acta pharm hung*, **52** (1982) 97.
- B Banerji N, Sen A K, Das A K: A new 9, 19-cyclotriterpene from flowers of *Musa paradisiaca* (Banana). *Indian J Chem*, **21B** (1982) 387.
- F Barua A, Hazarika J N: Effect of certain growth substances on the yield of berries and solasodine content of *Solanum khasianum* Clarke. *Indian Drugs*, **19** (1982) 219-23.
- D Basa S C, Tripathy R N: Constituents of *Hesperathusa crenulata*. *J nat Prod*, **45** (1982) 503.
- A Bhakuni D S, Gupta S: The alkaloids of *Stephania glabra*. *J nat Prod*, **45** (1982) 407-11.
- A Bhakuni D S, Gupta S: Alkaloids of *Senecio tenuifolius*. *Planta med*, **46** (1982) 251.
- A Bhakuni D S, Jain S: Biosynthesis of thelicarpine. *Tetrahedron*, **38** (1982) 729-32.
- A Bhandari P, Pant P, Rastogi R P: Aquillochin, a coumarinolignan from *Aquilaria agallocha*. *Phytochemistry*, **21** (1982) 2147-9.
- B Bhattacharya S B, Banerji N, Das A K: Chemical investigations on the gum exudate from Sajna (*Moringa oleifera*). *Carbohydrate Res*, **102** (1982) 253.
- B Bhattacharya S B, Das A K, Banerji N, Farooqi MIH: A water soluble galactomannan from *Sesbania aegyptiaca* seeds. *Phytochemistry*, **22** (1982) 161.
- F Bordoloi D N: Citronella oil industry in North East India. *In Cultivation and Utilization of Aromatic Plants*, edited by C K Atal, & B M Kapur, RRL, CSIR, Jammu, (1982) pp 318-324.
- E Bradu B L, Sobti S N, Atal C K: Cultivation of *Ammi majus* Linn. in India. *In Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 314-316.
- B Chakravarty A K, Das B, Pakrashi S C: Studies on Indian medicinal plants.

Part 66: Solanolide, a new steroid lactone sapogenin from *Solanum hispidum*. *Phytochemistry*, **21** (1982) 2083.

- B Chakravarty A K, Ghosh Dastidar P P, Pakrashi S C: Studies on Indian medicinal plants. Part 68: Simple aromatic amines from *Justicia gendarussa*. C-13 NMR spectra of the bases and their analogues. *Tetrahedron*, **38** (1982) 1797.
- B Das M C, Mahato S B: Triterpenoid sapogenols from leaves of *Careya arborea*: structure of careyagenolide. *Phytochemistry*, **21** (1982) 2069.
- E Dhar A K, Bhat B K: Natural crossing in Belladonna. *Indian J Genet Pl Breed*, **42** (1982) 105.
- E Dhar A K, Bhat B K: Ontogenic variability in alkaloid synthesis and other morphological characters in five genotypes of Belladonna. *J nat Prod (Lloydia)*, **43** (1982) 525-53.
- B Dhar T K, Siddique K A I, Ali E: Structure of phaseolinone, a novel phytotoxin from *Macrophomina phaseolina*. *Tetrahedron Lett*, **23** (1982) 5459.
- B Dutta P K, Bagchi D, Pakrashi S C: Studies on Indian medicinal plants. Part 67: Synthesis of araneol and araneosol, the flavonoids of *Anaphalis araneosa* DC. *Indian J Chem*, **21B** (1982) 1037.
- E Gupta B K: Production of colchicine from *Gloriosa superba* tubers. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 270-278.
- E Gupta G K, Som Raj, Rao P R: Isolation of antihepatotoxic agents from seeds of *Silybum marianum*. *Res & Ind*, **27** (1982) 37-42.
- E Gupta V N, Jain M P, Atal C K, Bhardawaj M: Synthesis of vasicine analogues. *Indian J Chem*, **21B** (1982) 74-75.
- E Gupta V N, Manavalan R, Atal C K: Preparation of vasicine esters for sustained release formulation. *Indian J pharm Sci*, **44** (1982) 54-55.
- E Handa G, Singh J, Atal C K: Antiasthmatic principle of *Allium cepa*. *Indian Drugs*, **20** (1982-83) 239.
- E Jagdev Singh, Rao P R, Atal C K: Ajmalicine (Raubasine): A medicinally important alkaloid from *Catharanthus roseus* (*Vinca rosea*). In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 284-287.
- A Jain G K, Khanna N M: Capitogenic acid, a new triterpene from *Schefflera capitata* Harms. *Indian J Chem*, **21B** (1982) 622-25.
- E Jain M P, Sharma V K: Phytochemical investigation of root of *Adhatoda vasica*. *Planta med*, **46** (1982) 250.

- E Jamwal R S, Suri A K, Suri O P, Haksar C N, Atal C K: Genus *Crotalaria*: Part XLI—Semisynthetic pyrrolizidine amides lacking 1, 2-Dehydro system. *Indian J Chem*, **21B** (1982) 266-67.
- E Kak S N, Singh C, Ram G, Kaul B L: Improvement of medicinal and aromatic plants through induced mutation—an overview. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 771-776.
- A Kamboj V P, Dhawan B N: Research on plants for fertility regulation in India. *J Ethnopharmacol*, **6** (1982) 191-226.
- E Kaul B L, Zutshi U: Cultivation of *Solanum khasianum* Clarke for steroids. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 98-106.
- E Kaul M K, Bhat B K, Atal C K: *Heracleum candicans* Wall.—A potential source of xanthotoxin. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu (1982) pp 317-320.
- C Khanna K R, Srivastava S N, Singh S P, Dixit B S: Cultivation and genetic upgrading of *Dioscorea floribunda* at Lucknow. *Proc Seminar Medicinal and Aromatic Plants, Coimbatore*, (1982) 90-93.
- E Khosla S N, Ajit Singh, Singh P: Chemical weed control in medicinal & aromatic plants—A review. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 739-757.
- G Lamture J B, Goudgaon N M, Nayak U R: Separation of the bharawanols A & B and a comparative study of their growth inhibitor effect on *Clostridium tetani* and general pharmacology. *Bull Haffkine Inst*, **10** (1982) 87.
- A Madhusudanan K P, Chandan Singh: Negative ion mass spectra of pentacyclic tri-terpenoids. *Indian J Chem*, **21B** (1982) 675-77.
- A Madhusudanan K P, Saikia B, Goswami B N, Mathur R K: Electron mass spectra of meliacins. *Org Mass Spectrom*, **17** (12) (1982) 636-39.
- B Mahato S B, Ganguly S N, Sahu N P: Steroid saponins, a review. *Phytochemistry*, **21** (1982) 959.
- G Patil A D, Deshpande V H: A new dimeric proanthocyanidin from *Cassia fistula* sapwood. *Indian J Chem*, **21B** (1982) 626.
- A Patnaik G K, Dhawan B N: Evaluation of spasmolytic activity of clausmarin, a novel coumarin from *Clausena pentaphylla* (Roxb.) DC. *J Ethnopharmacol*, **6** (1982) 127-37.
- A Popli S P: Studies on alkaloids of Indian medicinal plants. *Proc Indian nat Sci Acad*, **48A** (Suppl) (1982) 84-98.

- E Rao M N A, Krishnan S, Jain M P, Anand K K: Synthesis of vasicine and vasicinone derivatives for oxytocic and bronchodilatory activity. *Indian J pharm Sci*, **44** (1982) 151-153.
- A Rastogi R P: Recent results in the development of natural products as anti-neoplastic drugs. *Biol Mem*, **7** (1982) 191-204.
- A Rastogi R P, Dhawan B N: Research on medicinal plants at the Central Drug Research Institute, Lucknow (India). *Indian J med Res*, **76** (Suppl) (1982) 27-45.
- A Sachdev Kusum, Kulshreshtha Dinesh K: Aliarin, a new flavonoid from *Dodonaea viscosa* Linn. *Indian J Chem*, **21B** (1982) 798-99.
- B Sahu N P, Mahato S B: Quantitative analysis of emetine and cephaelin in Ipecac roots by high performance liquid chromatography. *J Chromat*, **238** (1982) 525.
- E Sarin Y K: Cultivation & utilization of *Rauvolfia serpentina* in India. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 228-294.
- E Sarin Y K, Ajit Singh, Bedi K L, Kapur S K, Kapahi B K, Atal C K: *Costus speciosus* rhizome as commercial source of diosgenin. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL CSIR, Jammu, (1982) pp 107-119.
- E Sarin Y K, Puri S C, Kapahi B K, Singh J P: Seasonal variability in phenolic constituents of *Artemisia scoparia* oil. *Indian Perfum*, **26** (1982) 145-148.
- F Sarma T C, Bordoloi D N: Role of Java citronella on rural economy in N E India. *Indian Perfum*, **26** (2-4) (1982) 46-53.
- E Sastry K S M, Thakur R N, Pandotra V R: Diseases of medicinal and aromatic plants and their control. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 711-733.
- D Saxena H O, Dutta P K: *Dioscorea floribunda*, a promising medicinal yam for cultivation in Orissa. *Proc VII Ann Conf Orissa bot Soc, Dec*, (1982) pp 40.
- B Sen A K, Sarkar K K, Majumder P C, Banerji N: The structure of garcinones A, B and C, three new xanthenes from *Garcinia mangostana*. *Phytochemistry*, **21** (1982) 1747.
- C Sharma H P, Shome U: Leaf surface studies of some medicinal salvias. *Proc Indian Acad Sci*, **91B** (1982) 449-63.
- A Sharma P N, Shoeb A, Kapil R S, Popli S P: Arjunolone, a new flavone from stem-bark of *Terminalia arjuna*. *Indian J Chem*, **21B** (1982) 263-64.

- A Sharma P N, Shoeb A, Kapil R S, Popli S P: 8-Hydroxydihydrochelerythrine and arnottianamide from roots of *Toddalia asiatica*. *Phytochemistry*, **21** (1982) 252.
- A Sharma S C, Tandon J S: A dammarane triterpene from *Commelina undulata*. *Phytochemistry*, **21** (1982) 2420-21.
- E Sharma S D, Dhar P L, Kaul M K, Bhan M K: Phytochemical survey of plants from Kashmir. *Indian Drugs*, **20** (1982-83) 8-13.
- A Sharma V, Jain S, Bhakuni D S, Kapil R S: Biosynthesis of aristolochic acid. *J chem Soc Perkin Trans 1*, (1982) 1153-55.
- C Shome U, Mehrotra S, Sharma H P: Pharmacognostic studies on the flower of *Mesua ferrea* L. *Proc Indian Acad Sci*, **91B** (3) (1982) 211-26.
- A Shyam Singh, Tandon Jai Shanker: Coleonol and forskohlin from *Coleus forskohlii*. *Planta med*, **45** (1982) 62-63.
- A Singh H K, Dhawan B N: Effect of *Bacopa monniera* (Brahmi) extract on avoidance responses in rat. *J Ethnopharmacol*, **5** (1982) 205-14.
- E Singh J P, Kapahi B K, Sarin Y K: Ecology of *Silybum marianum* Gaertn.—A medicinal plant. *J econ taxon Bot*, **3** (1982) 665-668.
- A Singh R S, Bhakuni D S: The alkaloids of *Thalictrum foliolosum*. *J nat Prod*, **45** (1982) 252-55.
- F Singh R S, Bora R, Bordoloi D N: Diosgenin production under some agronomic practices. *Proc Seminar Medicinal and Aromatic Plants, Coimbatore*, (1982) 78-82.
- E Sobti S N, Gupta S, Atal C K: Cultivation of *Dioscorea composita* Hemsl. A potential source of diosgenin in Jammu. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 87-97.
- E Sobti S N, Kaul B L: Cultivation of *Datura innoxia* and *D. metel* in India. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 259-261.
- E Sobti S N, Pushpangadan P: Studies in the genus *Ocimum*: cytogenetics, breeding & production of new strains of economic importance. In *Cultivation & Utilization of Aromatic Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 457-472.
- D Sree A, Rao Y R, Mahapatra S N: A process for the conversion of solasodine to 16-dehydropregnenolone acetate (16-DPA). *Res & Ind*, **27** (4) (1982) 326.
- E Srivastava J B: Insect pests of medicinal and aromatic plants and their control—A review. In *Cultivation & Utilization of Medicinal Plants*, edited by C K Atal & B M Kapur, RRL, CSIR, Jammu, (1982) pp 734-738.

- A Srivastava R, Dhawan B N, Verma K C: Pharmacological study of essential oil of *Cyathocline lyrata* Cass. *East Pharm*, **25** (1982) 191-94.
- E Srivastava T N, Hussain S J, Pathak N V: A study of Unani medicinal plants III (Zarnab). *Bull medico-ethno-bot Res*, **3** (1) (1982) 74-83.
- E Suri O P, Ravi Kant, Jamwal R S, Suri K A, Atal C K: *Boerhaavia diffusa*, a new source of phytoecdysones. *Planta med*, **44** (1982) 180-81.
- A Tandon Renu, Jain G K, Khanna N M: Ecdysterone from *Forrestia mollissima* Blume. *Indian J Chem*, **21B** (1982) 265-66.
- A Trivedi A, Mehrotra B N, Tandon R, Jain G K: Estimation of coleonol from *Coleus forskohlii* Briq. *Indian J pharm Sci*, **44** (1982) 157-58.
- A Vishwanathan M V, Aswal B S: *Tetrastigma indicum* M. Maulik (Vitaceae). A critical review. *J econ taxon Bot*, **3** (1982) 279-280.

1983

- B Achari B, Bandyopadhyay S, Saha C R, Pakrashi S C: Studies on Indian medicinal plants. Part 72: A phenanthroid lactone, steroid and lignans from *Aristolochia indica*. *Heterocycles*, **20** (1983) 771.
- F Adhikary R K, Bordoloi D N: *Symp Science and cultivation technology of edible fungi, Jammu*, **1** (1983).
- B Ali E, Roy S, Chakraborty P K, Pakrashi S C: Synthesis and absolute stereochemistry of (-)-vincatine. *Tetrahedron Lett*, **24** (1983) 2497.
- A Aswal B S, Mehrotra B N: Contribution to the flora of Lahul Valley (North-West Himalayas)-IV: some new plant records. *Indian J For*, **6** (1983) 314-18.
- A Aswal B S, Mehrotra B N: New records of plants from Himachal Pradesh, India-III. *J econ taxon Bot*, **4** (1983) 991-94.
- A Aswal B S, Mehrotra B N: Nomenclature notes on some flowering plants-1. *J econ taxon Bot*, **4** (1983) 1027-28.
- E Atal C K, Sharma M L, Kaul A, Khajuria A, Singh G B: Effect of Salai guggul—a new steroidal anti-inflammatory drug on leucocyte migration. *Indian J Pharmacol*, **15** (1983) 38.
- F Barua A, Bordoloi D N: Record of a new disease of Lemongrass caused by *Curvularia verruciformis* Agrawal & Sahni. *Curr Sci*, **52** (1983) 640-41.
- A Bhakuni D S: Alkaloid biosynthesis in plants. *Biol Memo*, **8** (1983) 103-12.
- A Bhakuni D S: Biosynthetic pathways of iso-quinoline alkaloids. *Curr Sci*, **52** (1983) 897-903.
- A Bhakuni D S, Chaturvedi R: Alkaloids of *Corydalis meifolia*. *J nat Prod*, **46** (1983) 320-24, 466-70.
- A Bhakuni D S, Gupta S: Alkaloids of *Litsea wightiana*. *Planta med*, **48** (1983) 52-54.
- A Bhakuni D S, Gupta S, Jain Sudha: The biosynthesis of the alkaloids of *Stephania glabra* (Roxb.) Miers. *Tetrahedron*, **39** (1983) 4003-10.
- A Bhakuni D S, Jain S, Chaturvedi R: Biosynthesis of the ipecac-p-carboline alkaloid: Tubulosine. *J chem Soc Perkin Trans 1*, (1983) 1949-52.
- A Bhakuni D S, Jain S, Gupta S: Absolute configuration and biosynthesis of (+)-sinactine. *Tetrahedron*, **39** (1983) 4003-07.

- F Bhattacharyya P R, Dutta P, Bordoloi D N: Possibilities of insect pest control by feeding deterrents isolated from a few indigenous plant sources. *Int Conf natural products as regulators of insect reproduction, Jammu*, (1983).
- A Bhandari Prabha, Rastogi R P: Santholin, a new saponin from *Trichosanthes palmata*. *Indian J Chem*, **22B** (1983) 624-26.
- A Bhandari Prabha, Rastogi R P: Recent advances in naturally occurring coumarins: Part I—Analytical techniques and tabulation of new coumarins. *J sci industr Res*, **42** (1983) 383-400.
- A Bhandari Prabha, Rastogi R P: Recent advances in naturally occurring coumarins: Part II—Application of ^{13}C NMR spectroscopy. *J sci industr Res*, **42** (1983) 437-47.
- A Bhandari Prabha, Rastogi R P: Chemical constituents of *Trichosanthes palmata*. *Indian J Chem*, **22B** (1983) 252-56.
- A Bhandari Prabha, Rastogi R P: Alloalantolactone, a sesquiterpene lactone from *Inula racemosa*. *Indian J Chem*, **22B** (1983) 286-87.
- F Bhattacharyya P R, Barua N C, Bordoloi D N, Sharma R P, Baruah J N: Possibilities of insect pest control by feeding deterrents from few indigenous plants. *Int Conf natural products as regulators of insect reproduction Jammu*, (1983).
- B Chakravarty A K, Das B, Pakrashi S C: Studies on Indian medicinal plants. Part 73: Juripidine, a new 3-amino steroidal alkaloid from the roots of *Solanum hispidum*. *Phytochemistry*, **22** (1983) 2843.
- A Chaudhury M, Jain G K, Sarin J P S, Khanna N M: Spasmolytic principle from *Rheum webbianum* Royle. *Indian J Chem*, **22B** (1983) 1163-64.
- B Das M C, Mahato S B: Triterpenoids. A review. *Phytochemistry*, **22** (1983) 1071-95.
- B Dutta P K, Das A K, Banerji N: A tetracyclic triterpenoid from *Musa paradisiaca*. *Phytochemistry*, **22** (1983) 2563.
- F Dutta P, Bhattacharyya P R, Baruah N C, Bordoloi D N, Sharma R P, Baruah J N, Rabha L C: Feeding deterrence of tagitinin A and C and hispidulin from *Tithonia diversifolia* (Hemsley) A. Gray (Compositae) for *Philosamia ricini* Hutt. Accepted for publication in *Phytoparasitica* (1983).
- B Dutta P K, Chowdhury U S, Chakravarty A K, Achari B, Pakrashi S C: Studies on Indian medicinal plants, Part 75: Nishindaside, a novel iridoid glycoside from *Vitex negundo*. *Tetrahedron*, **39** (1983) 3069.
- G Gupta S S, Mitra C R: The component acids of refined Karanja oil (*Pongamia glabra* Vent). *J Indian chem Soc*, **30** (1983) 781.

- E Gupta V K, Srivastava J B, Chowdhary S K, Arvinder Kaur: Studies on the toxicity of vasicine hydrochloride on *Puntius sopher* and *Cyprinus carpio*. *Nat Acad Sci Lett*, **6** (7) (1983) 239-241.
- F Hazarika J N: Effect of varying combinations of N PK fertilizers on the berry yield and solasodine content of *Solanum khasianum* Clarke. *J Assam Sci Soc*, **25** (2) (1983) 1-5.
- E Jain M P: Vasaka an Ayurvedic plant. *Science Rep*, **26** (6) (1983) 350-357.
- E Kapoor R, Bhutani K K, Rishi A K, Atal C K: Phytochemical investigations of *Linaria dalmatica*. *35th Indian Pharmaceutical Congress*, (1983).
- E Kaul M K, Atal C K: Studies on *Holarrhena antidysenterica* Wall.—1. Botany, medico-ethnobotany and distribution. *J Ethnopharmacol*, **8** (1983) 349-356.
- C Khanna K R, Gupta R K: Effect of lancing and capsule position on opium yield and morphine percentage in *Papaver somniferum* L. *Indian J pharm Sci*, **45** (4) (1983) 158-60.
- A Madhusudanan K P, Gupta S, Bhakuni D S: Positive and negative chemical ionization mass spectrometry—a comparative study of spectra of tetrahydroprotoberberine alkaloids. *Indian J Chem*, **22B** (1983) 128-30.
- A Madhusudanan K P, Gupta S, Bhakuni D S: Anion mass spectra of abnormal erythrina alkaloids. *Indian J Chem*, **22B** (1983) 907-08.
- A Madhusudanan K P, Singh Chandan, Singh R K: Chemical ionization mass spectrometry using ammonia as reagent gas: mass spectra of pentacyclic triterpenes. *Indian J Chem*, **22B** (1983) 370-73.
- B Mahato S B, Sahu N P, Luger P: Structure of caesalpinine A—a novel spermidine alkaloid from *Caesalpinia digyna* Rottl. *J Amer chem Soc*, **105** (1983) 4441.
- F Mishra B P, Hazarika J N, Bordoloi D N: Studies on yield of herb, oil and quality of *Cymbopogon flexuosus* (Nees & Steud.) Wats. var. *sikkimensis* Bor with reference to climatological parameters. *Ann Conf Assam Sci Soc Assam*, (1983).
- E Mukhopadhyay S, Sayed A E, Handy G A, Cordell G A: *Catharanthus* alkaloids—XXXVII, 16-epi-z-isositsirikine, a monomeric indole alkaloid with antineoplastic activity from *Catharanthus roseus* and *Rhazya stricta*. *J nat Prod*, **46** (1983) 409-13.
- A Painuly P, Tandon J S: Triterpenes and flavones from *Coleus spicatus*. *J nat Prod*, **46** (1983) 285.
- A Painuly P, Tandon J S: Two new 3-c-methyl flavone glycosides from *Eugenia kurzii*. *Phytochemistry*, **22** (1983) 243-48.

- A Painuly P, Tandon J S: New tri-terpene from *Eugenia kurzii* Duthie. *Indian J Chem*, **22B** (1983) 284-85.
- B Pakrashi S C, Mukhopadhyay R, Ghosh Dastidar P P, Bhattacharyya A, Ali E: Studies on Indian medicinal plants. Part 71: Bharatamine—a unique protoberberine alkaloid from *Alangium lamarckii* Thw., biogenetically derived from monoterpenoid precursor. *Tetrahedron Lett*, **24** (1983) 291.
- E Pandita K, Bhatia M S, Thappa R K, Agarwal S G, Dhar K L, Atal C K: Seasonal variations of the alkaloids of *Adhatoda vasica* and detection of glycoside and n-oxides of vasicine and vasicinone. *Planta med*, **48** (1983) 65-128.
- A Patnaik G K, Bhakuni D S, Chaturvedi R, Dhawan B N: Cavidine, a spasmolytic agent from *Corydalis meifolia* Wall. *Indian Drugs*, **21** (1983-84) 498-501.
- A Prasad A V K, Kapil R S, Popli S P: Studies in medicinal plants: Part IX—chemical constituents of *Artemisia roxburghiana*. *Indian J Chem*, **22B** (1983) 610-11.
- G Rama Rao A V, Deshpande V H, Shastry R K: Structures of albanols A & B, two novel phenols from *Morus alba* bark. *Tetrahedron Lett*, **24** (1983) 3013.
- A Sachdev Kusum, Kulshreshtha Dinesh K: Flavonoids from *Dodonaea viscosa*. *Phytochemistry*, **22** (1983) 1253-56.
- F Saha B N, Bordoloi D N, Ganguly D: Performance of *Dioscorea floribunda* Mart. & Gal. at Sepahijala, Tripura. *Indian For*, **109** (1983) 25-32.
- A Sahai R, Rastogi R P: The flavanoids—A review. *J sci industr Res*, **42** (1983) 486-98.
- F Sarma T C, Bordoloi D N: Influence of population pressure cum seasonal variations on pyrethrum. *Pesticides*, **17** (8) (1983) 35-6.
- F Sarma T C, Choudhuri S B, Bordoloi D N: Growth and yield of *Digitalis lanata* Ehr. at Upper Shillong, Meghalaya. *Indian Drugs*, **21** (1) (1983-84) 1-4.
- A Sharma S C, Kumar Rajendra: Chemical examination of *Zizyphus nummularia*. *Pharmazie*, **38** (1) (1983) 65.
- A Sharma S C, Tandon J S: A new diterpene from *Hedychium spicatum*. *Indian J Chem*, **22B** (1983) 93-94.
- E Singh G B, Kaur S, Satti N K, Atal C K, Maheshwari J K: Anti-inflammatory activity of *Euphorbia acaulis* Roxb. *J Ethnopharmacol*, **10** (1983) 225-233.

- E Singh G B, Sukhvir Kaur, Atal C K: Experimental evaluation of anti-inflammatory activity of *Euphorbia acaulis* Roxb. *Indian J Pharmacol*, **15** (1983) 33.
- E Singh J, Handa G, Rao P R, Atal C K: Pangamic acid—an important stamina building, antistress and antihyperlipidemic principle from *Cicer arietinum* (Bengal gram). *J Ethnopharmacol*, **7** (2) (1983) 239-42.
- F Singh R S, Pathak M G, Bordoloi D N: Citral of Lemongrass under different plant population and soil pH. *Pafai J*, **5** (1) (1983) 33-36.
- D Srinivasulu C, Rao K M, Vijayalakshmi K, Mahapatra S N: A process for the isolation of hecogenin from the juice of *Agave sisalana* and *Agave vera-cruz*. *Res & Ind*, **28** (1983) 104-106.
- A Trivedi B S, Mehrotra B N, Aswal B S, Chandra P: Pteridophytic flora of Mandakini Valley in Garhwal Himalaya. *J Indian bot Soc*, **62** (1983) 90-96.
- E Verma V: Effect of Aswagandha in mice. *Indian Drugs*, **20** (1982-83) 469-71.
- A Vishnoi S P, Shoeb Aboo, Kapil R S, Popli S P: A furanoeremophilane from *Vitex negundo*. *Phytochemistry*, **22** (2) (1983) 597-8.
- A Vishwakarma R A, Kapil R S, Popli S P: Studies in medicinal plants: Part X. Chemical constituents of *Hypericum mysorens*. *Indian J Chem*, **22B** (6) (1983) 612-13.

1984

- B Achari B, Bandyopadhyay S, Chakravarty A K, Pakrashi S C: Studies on Indian medicinal plants. Part 76: Carbon-13 NMR spectra of some phenanthrene derivatives from *Aristolochia indica* and their analogues. *Org magn Reson*, **22** (1984) 741.
- B Achari B, Basu K, Pakrashi S C: Chemical investigation of *Malvaviscus konzattii*. *J nat Prod*, **47** (1984) 751.
- B Achari B, Chowdhury U S, Dutta P K, Pakrashi S C: Studies on Indian medicinal plants. Part 74: Two new isomeric flavanones from *Vitex negundo*. *Phytochemistry*, **23** (1984) 703.
- A Aswal B S, Bhakuni D S, Goel A K, Kar K, Mehrotra B N: Screening of Indian plants for biological activity—Part XI. *Indian J exp Biol*, **22** (1984) 487-504.
- A Aswal B S, Bhakuni D S, Goel A K, Kar K, Mehrotra B N, Mukherjee K C: Screening of Indian plants for biological activity—Part X. *Indian J exp Biol*, **22** (1984) 312-32.
- E Atal C K, Singh G B, Sharma M L, Jaggi B S, Singh S, Kaul A, Khajuria A, Dhar K L, Gupta V N: Salai guggal, a new non-steroidal anti-inflammatory agent and its probable mode of action. *Symp "Recent Advances in Mediators of Inflammation and Anti-inflammatory Agents"*, Jammu, (1984).
- C Banerji B K, Laxmi V, Gupta M N, Dixit B S, Srivastava S N: Effect of gamma irradiation on diosgenin content of *Dioscorea floribunda* Mart. & Gal. *J sci Res Pl Med*, **5** (1 & 2) (1984) 9-11.
- B Banerji N, Das A K: Isolation of a new 9, 19-cyclotriterpene from flowers of *Musa paradisiaca* (Banana). *J Instn Chem India*, **56** (1984) 147.
- D Basa S C, Tripathy R N: A new acridone alkaloid from *Citrus decumana* Linn. *J nat Prod*, **47** (1984) 325.
- A Bhakuni D S: Some aspects of protoberberine alkaloids. *J Indian chem Soc*, **61** (1984) 1016-22.
- A Bhakuni D S: Alkaloids from Indian medicinal plants and their biosynthesis. *Proc Indian Acad Sci chem Sci*, **93** (4) (1984) 661-76.
- A Bhakuni D S, Chaturvedi Rekha: Chemical constituents of *Crotalaria madurensis*. *J nat Prod*, **47** (1984) 585-91.

- A Bhakuni D S, Jain Sudha, Gupta Sandeep: Biosynthesis of (+)-, (-)- and (\pm)-tetrahydro palmatines. *Tetrahedron*, **40** (1984) 1591-93.
- A Bhandari P, Rastogi R P: Two nor-triterpenene lactones from *Caltha palustris*. *Phytochemistry*, **23** (1984) 1699-1702.
- A Bhandari P, Rastogi R P: Triterpene constituents of *Caltha palustris*. *Phytochemistry*, **23** (1984) 2082-85.
- B Bhattacharya S B, Sarkar K K, Banerji N: Some structural aspect of the mucilage isolated from the leaves of *Litsea polyantha*. *Carbohydrate Res*, **126** (1984) 297.
- E Bhutani K K: Potential of higher plants and their derived drugs in the treatment of amoebiasis. In *Proc National Symp Applied Biotechnology of Medicinal, Aromatic and Timber yielding plants*, (NSABMATP); Bot Lab Pharm Anat Calcutta University, (1984) 317-92.
- F Boruah P, Bordoloi D N: Leaf rust of *Cymbopogon martinii* var. *motia* in North East India. *Indian Phytopath*, **37** (1984) 584.
- B Chakravarty A K, Das B, Ali E, Pakrashi S C: Structure and stereochemistry of some new steroidal alkaloids from *Solanum pseudocapsicum* and *Solanum giganteum* by NMR spectroscopy. *J chem Soc Perkin Trans 1*, (1984) 467.
- F Choudhury S N, Bordoloi D N: Yield and eugenol content of *Ocimum gratissimum* L. under different plant densities. *Pafai J*, **6** (4) (1984) 24-28.
- E Dhar A K, Bhat B K: Metroglyph analysis of morphological variation in Indian and exotic collection of belladonna. *Ind J agric Sci*, **54** (1984) 560-64.
- E Gandhi Ram, Kaul B L: Studies on the anti-radiation activity of Ashwgandha. *Stud Biophys*, **103** (1984) 37-40.
- A Garg H S, Bhakuni D S: An isoprenylated flavanone from leaves of *Azadirachta indica*. *Phytochemistry*, **23** (1984) 2115-18.
- A Garg H S, Bhakuni D S: Salannolide, a meliacin from *Azadirachta indica*. *Phytochemistry*, **23** (1984) 2383-85.
- B Giri V S, Maiti B C, Pakrashi S C: Convenient synthesis of 6, 7-dihydro-flavopereirine and flavopereirine. *Heterocycles*, **22** (1984) 233.
- F Goswami B N, Katarky J C S, Baruah J N, Nath S C, Bordoloi D N: Synthesis and antifungal activities of some new substituted 1, 2, 4-triazoles and related compounds. *J Indian chem Soc*, **56** (1984) 530-33.
- G Goudgaon N M, Lamture J B, Nayak U R: *Semecarpus anacardium* as an anticancer agent: Epoxy derivatives of the monoene and diene bhillawanols. *Indian Drugs*, **22** (1984-85) 555.

- C Gupta M N, Laxmi V, Dixit B S, Srivastava S N: Morphological and biochemical investigations of *Dioscorea floribunda* after gamma irradiation. *Int J Crude Drug Res*, **22** (2) (1984) 73-78.
- F Handiqu A K, Gupta R K, Bordoloi D N: Variations in oil content in Lemongrass as influenced by seasonal changes and its genetic aspects. *Indian Perfum*, **28** (1) (1984) 54-63.
- A Harrison D A, Kulshreshtha D K: Chemical constituents of *Amberboa ramosa*. *Fitoterapia*, **55** (1984) 189-92.
- F Hazarika J N: Effect of morphactin and cycocel on the yield, number of berries and percentage of solasodine of *Solanum khasianum* Clarke. *Indian Drugs*, **22** (1984-85) 404-06.
- F Hazarika J N, Mishra B P, Bora A C: Performance of thornless strains of *Solanum khasianum* Clarke under Jorhat conditions. *Indian Drugs*, **22** (1984-85) 238-41.
- E Jain M P, Gupta V N, Atal C K: Recent advances in vasaka alkaloids—a review. *Indian Drugs*, **21** (1984) 313-22.
- A Juneja R K, Sharma S C, Tandon J S: Chemical constituents of *Pentapanax parasiticum*. *Fitoterapia*, **55** (1984) 255-56.
- E Kapur S K, Sarin Y K: Folklore claims of Katra Suraj Kund tract of Jammu Himalayas. *J sci Res Med Pl*, **5** (3-4) (1984) 1-18.
- A Khan K A, Shoeb Aboo: Two antibacterial biphenyls from *Rhynchosia suaveolans*. *Phytochemistry*, **23** (1984) 765-66.
- A Lakshmi V, Prakash D, Raj K, Kapil R S, Popli S P: Monoterpenoid furanocoumarin lactones from *Clausena anisata*. *Phytochemistry*, **23** (1984) 2629-31.
- A Madhusudanan K P, Chaturvedi Rekha, Garg H S, Bhakuni D S: Negative ion mass spectra of tetranortriterpenoids isolated from Neem (*Azadirachta indica* A. Juss). *Indian J Chem*, **23B** (1984) 1082-87.
- A Madhusudanan K P, Gupta Sandeep, Bhakuni D S: Negative ion mass spectra of corlumine. *Indian J Chem*, **23B** (1984) 687-89.
- A Madhusudanan K P, Gupta S, Bhakuni D S: Negative ion mass spectra of pyrrolizidine alkaloids. *Indian J Chem*, **23B** (1984) 1012-15.
- A Madhusudanan K P, Sachdev Kusum, Harrison D A, Kulshreshtha D K: Gas phase hydrogen/deuterium exchange reactions in chemical ionization mass spectra of flavonoids. *Int J Mass Spectrom Ion Processes*, **62** (3) (1984) 289-95.
- B Maiti B C, Pakrashi S C: A convenient method for the preparation of

- 3-acetyl-1, 2, 3, 4, 6, 7, 12, 12B-octahydroindolo [2, 3-A] quinolizin-2-one, a key intermediate for the synthesis of ajmalicine. *Heterocycles*, **22** (1984) 2043.
- C Mehrotra Shanta, Shome Usha, Sharma H P: Pharmacognostic studies on the flower of *Calophyllum inophyllum* Linn. *Proc Indian Acad Sci (Pl Sci)*, **93** (1984) 643-54.
- C Mehrotra Shanta, Sharma H P: Pharmacognostic studies on "Sapan" (*Caesalpinia sappan* Linn.) and its market samples. *Proc Indian Acad Sci (Pl Sci)*, **93** (1984) 135-50.
- A Mukherjee K C, Patnaik G K, Bhakuni D S, Dhawan B N: Mechanism of neuromuscular blocking action of isocorydine methochloride, a new quaternary alkaloid from *Cocculus laurifolius* DC. *Indian J exp Biol*, **22** (1984) 54-56.
- A Naithani H B, Aswal B S: *Ranunculus adoxifolium* in the North-West Himalayas. *Indian J For*, **7** (1984) 85.
- F Nath S C, Bordoloi D N: Fungitoxicity of *Naravelia zeylanica* DC. extracts. *Pesticides*, **18** (4) (1984) 13-16.
- F Nath S C, Bordoloi D N: Fungi-toxic properties of certain wild plant extracts. Accepted for publication. *J Res Assam Agri University*, (1984).
- A Painuly Prabha, Verma Neeraj, Tandon Jai Shanker: Constituents of *Geum elatum*. *J nat Prod*, **47** (1984) 189.
- B Pal B C, Roy Gita, Mahato S B: Triterpenoid sapogenols from *Androsace saxifragifolia*: the structure of androsacenol. *Phytochemistry*, **23** (1984) 1475.
- A Prasad A V K, Singh Alka, Kapil R S, Popli S P: Hydroxytuberosone—A novel pterocarpanone from *Pueraria tuberosa* DC. *Indian J Chem*, **23B** (1984) 1165-67.
- E Pushpangadan P: Traditional medicines of India I. The role of mind and autosuggestion in the efficiency of magico-religious medicine of tribals. *Ancient Sci Life*, **3** (1984) 213-15.
- E Pushpangadan P, Atal C K: Ethno-medico botanical investigations in Kerala I. Some primitive tribals of western ghats and their herbal medicine. *J Ethnopharmacol*, **11** (1984) 59-77.
- D Rao Prabhakar, Brahmam M, Saxena H O: Phytochemical survey of Mayurbhanj, Ganjam and Puri Districts (Orissa) for tannins, saponins, flavonoids and alkaloids. *Indian Drugs*, **22** (1984-85) 503-07.
- A Sachdev K, Kulshreshtha D K: Dodonic acid, a new diterpenoid from *Dodonaea viscosa*. *Planta med*, **50** (1984) 448-49.

- A Sachdev K, Kulshreshtha D K: Vestolida, a new guaianolide from *Vicoa vestita*. *Phytochemistry*, **23** (1984) 2379-80.
- D Sahoo S, Dutta P K: *Solanum viarum*: a plant for steroid drug industry. *Indian Hort*, **28** (4) (1984) 15-18.
- B Sahu N P, Roy S K, Mahato S B: Triterpenoids and flavonoids of *Vitex peduncularis*. *Planta med*, **50** (1984) 527.
- B Sarkar M, Mahato S B: Homogeneous enzyme immunoassay of diosgenin and its glycosides. *Anal Biochem*, **136** (1984) 168-74.
- F Sarma T C, Bordoloi D N: Reproduction and growth of *Populus deltoides* Clone G 3. *Annu Conf Assam Sci Soc*, (1984) 35-36.
- F Sharma R K, Bordoloi D N: Growth and yield of *Mentha citrata* Ehrh. under Shillong conditions. *Annu Conf Assam Sci Soc*, (1984) 60.
- C Shome Usha, Joshi Pammie, Sharma H P: Pharmacognostic studies on *Artemisia scoparia* Waldst. & Kit. *Proc Indian Acad Sci (Pl Sci)*, **93** (2) (1984) 151-64.
- A Singh M M, Wadhwa V, Gupta D N, Pal R, Khanna N M, Kamboj V P: Postcoital contraceptive efficacy and hormonal profile of *Lepidium capitatum*. *Planta med*, **50** (1984) 154-57.
- A Singh Shyam, Painuly P, Tandon J S: Diterpenes from *Coleus forskohlii*: stereochemistry of carbonyl chromophore. *Indian J Chem*, **23B** (1984) 952-55.

1985

- B Achari B, Bandyopadhyay S, Basu K, Pakrashi S C: Synthesis proves the structure of aristolindiquinone. *Tetrahedron*, **41** (1984) 107.
- E Bakshi S K, Kaul M K: Medicinal and aromatic uses of Indian *Artemisia* L. *Ananvijatri*, **2** (2) (1985) 73-76.
- C Banerji R, Misra G, Nigam S K: *Madhuca indica* leaf saponin and its biological activity. *Fitoterapia*, **56** (3) (1985) 186-88.
- C Banerji R, Misra G, Nigam S K: Butyric acid, a new sapogenin from *Madhuca butyracea*. *Planta med*, No. 3 (1985) 280-81.
- F Barua P K, Singh R S: An interspecific breeding programme between *Solanum khasianum* Clarke and *Solanum mammosum* L. *Seminar on chemistry, biology, cultivation and utilization of medicinal and aromatic plants. Meghalaya Sci Soc Shillong* (1985).
- F Baruah P, Bordoloi D N: *In vitro* evaluation of certain fungicides against *Curvularia* leaf blight of lemongrass. *Proc Symp med arom Spice Plants, Darjeeling* (1985) 29.
- E Bhutani K K, Sharma G L, Ali M, Atal C K: *Tylophora* alkaloids as the potential new amoebicidal agents. *Asian Congr Pharmacol, New Delhi* (1985).
- E Bhutani K K, Ali M, Atal C K: 13-Hydroxy tylophorine from *Tylophora hirsuta*. *Phytochemistry*, **24** (11) (1985) 2278-80.
- E Bhutani K K, Sharma G L, Sarin A N, Kaur R, Kumar V, Atal C K: *In vitro* amoebicidal and bactericidal activities in medicinal plants. *Indian Pharmaceutical Congr, Bangalore*, (1985).
- F Bordoloi D N, Borah U C, Baruah J N: Aromatic plants development at RRL Jorhat. *Indian Perfum*, **23** (1 & 2) (1985) 67-74.
- E Choudhary D K, Kaul B L: Celery as medicine. *PTI Science Service*, **4** (13) (1985) 6.
- F Choudhury S N, Hazarika A K: *Ocimum gratissimum* L.—A potential source of eugenol for commercial exploitation in Assam. *Proc Symp med arom Spice Plants, Darjeeling* (1985) 47-50.
- F Choudhury S N, Hazarika A K, Bordoloi D N: *Ocimum gratissimum* Linn.—a potential source of eugenol for commercial exploitation in Assam. *Proc Symp med arom Spice Plants, Darjeeling*, (1985) 32.

- C Dixit B S, Laxmi V, Srivastava S N, Gupta M N, Sircar K P, Bhatia G R: Analysis of induced mutants of *Trigonella foenum-graecum*. *J econ taxon Bot*, **6** (1985) 337-40.
- C Dixit B S, Srivastava S N, Laxmi V, Gupta M N: Induced variation in diosgenin content of fenugreek (*Trigonella foenum-graecum* L.). *Sachitra Ayurv*, **37** (1985) 437-39.
- A Garg H S, Bhakuni D S: 2',3'-Dehydrosalannol, a tetranortriterpenoid from *Azadirachta indica* leaves. *Phytochemistry*, **24** (1985) 866-67.
- A Gildiyal Neelam, Aswal B S: Re-discovery of *Carex pamirensis* Cl. ex Fedt. (Cyperaceae) from Lahul Valley (HP). *Indian J For*, **8** (1985) 241.
- A Goel A K, Mehrotra B N: Re-discovery of *Neonauclea gageana* (King) Merrill (Rubiaceae) from south Andaman in Andaman and Nicobar Islands. *J econ taxon Bot*, **6** (1985) 417-18.
- A Goel A K, Mehrotra B N: Occurrence of *Luzula plumosa* F. Mey (Juncaceae) in the Garhwal Himalaya. *J econ taxon Bot*, **6** (1985) 439-41.
- C Gupta R C: Pharmacognostic studies on "Drawanti"—Part I—*Jatropha curcas* Linn. *Proc Indian Acad Sci*, **94** (1) (1985) 65-82.
- C Gupta R C: Pharmacognostic studies on "Dhava" (*Anogeissus latifolia* Bedd.)—I: Stem-bark and root. *Proc Indian Acad Sci (Pl Sci)*, **94** (1985) 4-6.
- E Gupta R K, Santani D D, Singh J: Chemical and pharmacological studies on *Astragalus polycanthus*. *Proc Indian Pharmaceutical Congr, Bangalore* (1985).
- E Gupta V N, Jain M P, Atal C K, Rao V B, Nagavi B G: Stability studies on vasicine hydrochloride. *Proc Indian Pharmaceutical Congr, Bangalore* (1985).
- A Harrison D A, Madhusudan K P, Kulshreshtha D K: Structure of dichroside D, a fatty acid glycoside from *Ipomoea dichroa*. *Carbohydrate Res*, **143** (1985) 207-20.
- F Hazarika J N: Effect of gibberellic acid on seed germination, berry yield and solasodine content of *Solanum khasianum* Clarke. *J Assam Sci Soc*, **27** (1985) 18-23.
- A Hussaini F A, Shoeb Aboo: Isoquinoline derived alkaloids from *Berberis chitria*. *Phytochemistry*, **24** (1985) 633.
- C Jain M, Chaturvedi H C: Caulogenesis in rhizome callus of *Costus speciosus*. *Planta med*, (1985) 462-63.
- E Johri R K, Zutshi U, Kameshwaran L, Atal C K: Effect of quercetin and Albizzia saponins on rat mast cell. *Indian J Physiol Pharmacol*, **29** (1) (1985) 43-46.

- A Juneja R K, Sharma S C, Tandon J S: A substituted 1, 2-diarylethan from *Cymbidium giganteum*. *Phytochemistry*, **24** (1985) 321-24.
- E Kapur S K, Sarin Y K: Common medicinal and aromatic plants at Jai Barthal tract of Bhaderwah hills. *Symp Production and Conservation of Forestry, Solan (HP)* (1985).
- A Khan Khalid A, Shoeb Aboo: A lignan from *Lonicera hypoleuca* *Phytochemistry*, **24** (1985) 628-30.
- C Khanna K P, Singh S P: Manipulation of date of planting for harvesting *Solanum viarum* Dunal as a spineless crop. *Sci & Cult*, **51** (1985) 25.
- C Laxmi V, Srivastava S N, Dixit B S, Gupta M N: Studies on an induced morphological mutant of *Dioscorea floribunda* Mart. & Gal. *Sci & Cult*, **51** (1985) 126-29.
- A Madhusudanan K P, Gupta S, Bhakuni D S: Saft ionization mass spectra of 1-benzyltetrahydroisoquinoline alkaloids. *Indian J Chem*, **24B** (1985) 175.
- A Madhusudanan K P, Shoeb Aboo: Re-arrangement reaction in the positive and negative ion mass spectra of clausmarin A. *Org Mass Spectrom*, **20** (1985) 134.
- A Madhusudanan K P, Gupta S, Bhakuni D S: Anion mass spectra of alkaloids: Morphinandienones, pro-aporphines and aporphines. *Indian J Chem*, **24B** (1985) 523.
- A Madhusudanan K P, Mehrotra Rita, Singh Chandan, Popli S P: Chemical ionization behaviour of certain triterpene ethers: analogy with solvent phase reactions. *Indian J Chem*, **24B** (1985) 1047.
- A Madhusudanan K P, Ram Pratap, Popli S P: Steric influence on the chemical ionization mass spectra of Cinchona alkaloids. *Indian J Chem*, **24B** (1985) 67-70.
- A Madhusudanan K P, Sachdev K, Harrison D A, Kulshreshtha D K: Negative ion mass spectra of flavonoids. *J nat Prod*. **48** (1985) 319.
- B Mahato S B, Sahu N P, Muller E, Luger P: Stereochemistry of a macrocyclic spermidine alkaloid from *Caesalpinia digyna* Rottl. X-ray determination of the structure of caesalpinine C (celallocinnine). *J chem Soc, Perkin Trans 2*, (1985) 193.
- B Mahato S B, Sarkar M: Homogeneous enzyme immunoassay of diosgenin and its glycosides. *In Advances in Steroid Analysis' 84* edited by S Gorog, Akademiai Kiado, Budapest, (1985) 259-63.
- A Manandhar M D, Hussaini F A, Kapil R S, Shoeb Aboo: Bacteriostatic heterocycles from *Evodia lunu-ankenda*. *Phytochemistry*, **24** (1985) 199-200.

- B Mandal S B, Pakrashi S C: Synthesis of 3-acetyl-1, 4, 6, 7, 12, 12B-hexahydroindolo-[2, 3-A]-quinolizine. *Heterocycles*, **23** (1985) 931.
- F Mishra B P, Baruah A K S, Katakya J C S, Hazarika J N, Bordoloi D N: *Cymbopogon flexuosus* (Nees & Steud.) Wats. var. *sikkimensis* Bor—a promising “methyl eugenol” bearing crop in Assam. *Proc Symp med arom Spice Plants, Darjeeling*, (1985) 33.
- G Nanda B, Patwardhan S A, Gupta A S: Epoxy parvinolide, a secocaryophyllanolide from *Pogostemon parviflorus*. *Phytochemistry*, **24** (1985) 2735.
- F Nath S C, Bordoloi D N: Use of some common plants among the inhabitants of Assam (India). An ethnobotanic approach. *Proc Symp med arom Spice Plants, Darjeeling*, (1985) 5.
- B Pakrashi S C, Mukhopadhyay R, Ghosh Dastidar P P, Bhattacharyya A: Bharatamine—a novel protoberberine alkaloid of aberrant biogenetic origin from *Alangium lamarckii* Thw. *J Indian chem Soc*, **52** (1985) 1003.
- B Pakrashi S C, Mukhopadhyay R, Sinha R R, Ghosh Dastidar P P, Achari B, Ali E: Benzopyridoquinolizine alkaloids of *Alangium lamarckii* Thw. *Indian J Chem*, **24B** (1985) 19.
- B Podder G, Mahato S B: Azadirachtanin—a new limonoid from the leaves of *Azadirachta indica*. *Heterocycles*, **23** (1985) 2321-325.
- A Prasad A V K, Kapil R S, Popli S P: Studies in medicinal plants. Part XIV. Structures of pterocarponoids: anhydrotuberosin, 3-O-methyl anhydrotuberosin and tuberostan from *Pueraria tuberosa*. *Indian J Chem*, **24B** (1985) 236-39.
- A Rizvi S H, Kapil R S, Shoeb A: Alkaloids and coumarins of *Casimiroa edulis*. *J nat Prod*, **48** (1985) 146.
- A Sachdev K, Kulshreshtha D K: Structure of a new guaianolide, vestenolide, from *Vicoa vestita*. *J nat Prod*, **48** (1985) 249.
- E Sarin Y K: Standardization of Indian crude drugs. *Workshop on 'selected medicinal plants used in traditional/indigenous systems of medicine', Bombay* (1985).
- E Sarin Y K, Chopra C L: Medicinal and Aromatic Plant Resources of Himachal Pradesh—Present Status and Future Prospects (Mimeographed) (*RRL-Jammu*), (1985) 30.
- F Sarma T C, Choudhury S B, Bordoloi D N: Effect of N P & K on yield of flower and pyrethrins content of Pyrethrum (*Chrysanthemum cinerariaefolium* Vis). *Pesticides*, **19** (2) (1985) 3-5.
- E Saxena A K, Atal C K: Biochemical effects of boswellic acid. *Seminar fluorine containing compounds, Chandigarh*, (1985).

- D Saxena H O, Brahman M: Ethnobotanical studies in Simlipahar Forests of Mayurbhanj district of Orissa. *Proc Symp med arom Spice Plants, Darjeeling*, (1985) 46.
- D Saxena H O, Dutta P K: Effect of varying spacing on tuber yield and diosgenin content in *Dioscorea floribunda* Mart. & Gal. *Indian Drugs*, **22** (1985) 294-295.
- E Sharma M L, Atal C K: Oxytocic, thrombopoietic and broncho-dilatory activities of vasicine—a novel molecule isolated from *Adhatoda vasica* Nees. *Workshop on 'selected medicinal plants used in traditional/indigenous systems of medicine', Bombay*, (1985).
- E Sharma M L, Kaul A, Khajuria A, Atal C K: Immunopharmacological properties of deoxy dihomoc "C" Vasicinone. *XI Annu Conf Symp Recent Developments in Immunological Techniques, Hyderabad*, (1985).
- E Sharma S D, Chisti A M, Kaul M K: Phytochemical survey of plants from Kashmir II. *Indian Drugs*, **22** (1984-85) 187-195.
- E Singh J, Handa G, Sharma M L, Nandi L N: Diuretic principles of *Dolichos biflorus*. *Indian Pharmaceutical Congress, Bangalore*, (1985).
- A Singh M M, Gupta N D, Wadhwa V, Jain G K, Khanna N M, Kamboj V P: Contraceptive efficacy and hormonal profile of ferujol: a new coumarin from *Ferula jaeschkeana*. *Planta med*, (1985) 268-70.
- C Singh S P, Khanna K R, Misra C H: Studies on genetic variability for some economic traits in *Solanum viarum* Dunal. *Indian For*, **111** (1985) 432-40.
- E Sobti S N, Bradu B L, Rao B L: Need to determine medicinal aspects of chemotaxonomical characteristics in *Cymbopogon flexuosus*. *Workshop on 'selected medicinal plants used in traditional/indigenous system of medicine', Bombay* (1985).
- D Srinivasulu C, Sree A, Mahapatra S N: Hecogenin from *Agaves* and scope for integrated development. *Indian Drugs*, **22** (1984-85) 129-32.
- E Srivastava T N, Rajasekharan S, Badola D P: Important medicinal plants of Jammu and Kashmir; I-Kesar (Saffron). *Ancient Sci Life*, **5** (1) (1985) 68-73
- E Suri K A, Suri O P, Atal C K: Genus *Crotalaria*—XLVI—Synthesis of 4-ary 1-2 pyrrolizidinylidene thiazoles, as potential cardiostonic agents. *Indian Drugs*, **23** (1985-86) 208-209.
- E Suri K A, Suri O P, Singh N, Atal C K: Genus *Crotalaria*—XLVII—Synthesis of new pyrrolizidine—cyanoethers and thioamides as hypotensive agents. *Indian Drugs*, **23** (1985-86) 210-11.
- A Verma Neeraj, Painuly P, Sharma S C, Tandon J S: A new anthraquinone glycoside from *Rubia cordifolia*. *Indian J Chem*, **24B** (1985) 791-92.

- E Zutshi R K, Singh R, Zutshi U, Johri R K, Atal C K: Influence of piperine on rifampicin blood levels in patients of pulmonary tuberculosis. *J Assoc Physicians India*, 33 (1985) 223-25.
- E Zutshi U: *Piper* species, an enhancer of drug bio-availability. *Workshop on 'selected medicinal plants used in traditional/indigenous systems of medicine'*, Bombay (1985).
- E Zutshi U: Development of embellin (ex *Embelia ribes*) as a novel analgesic. *Workshop on 'selected medicinal plants used in traditional/indigenous systems of medicine'*, Bombay (1985).

1986

- B Achari B, Basu C, Saha R, Pakrashi S C: A new triterpene ester, an anthraquinone and other constituents of fern *Lygodium flexuosum*. *Planta med*, (1986) 329.
- A Abraham Z, Bhakuni D S, Garg H S, Goel A K, Mehrotra B N, Patnaik G K: Screening of Indian plants for biological activity Part XII. *Indian J exp Biol*, **24** (1986) 48-68.
- B Banerji N, Sarkar K K, Das A K: An arabinoxylan from leaves of *Litsea polyantha* (Lauraceae). *Carbohydrate Res*, **147** (1986) 165.
- A Bhakuni D S, Jain Sudha, Gupta Sandeep: The biosynthesis of the alkaloids of *Corydalis meifolia* Wall. *Tetrahedron*, **42** (2) (1986) 675-80.
- B Bhattacharyya A, Mukhopadhyay R, Pakrashi S C: Structure and synthesis of alamaridine, a novel benzopyroquinolizine alkaloid from *Alangium lamarckii*. *Tetrahedron Lett*, **27** (1986) 1215.
- F Bhattacharyya P R, Bordoloi D N: Insect growth retardant activity of essential oils of *Ocimum gratissimum* Linn. and *Elsholtzia eriostachya* Benth. *Indian Perfum*, **30** (1986) 361-371.
- F Bordoloi D N, Baruah J N: Palmarosa—A promising essential oil crop in N E India. *Plantation Crops: Opportunities & Constraints*. (1986) Vol. 1 pp 311-315.
- F Boruah P, Nath S C: Medicinal & Aromatic Plants of North East India—Scope & Prospects. *Assam Agrian*, **15** (1986) 71-72.
- F Choudhury S N, Bordoloi D N: Effect of sowing on the growth, yield and oil quality of *Ocimum gratissimum* L. *Indian Perfum*, **30** (1) (1986) 254-60.
- F Choudhury S N, Hazarika A K, Bordoloi D N: Efficacy of foliar application of micronutrients and harvesting time on foliage and oil quality of *Ocimum gratissimum* L. *Indian Perfum*, **30** (4) (1986) 465-69.
- F Choudhury S N, Hazarika A K, Bordoloi D N: Studies on the growth, yield and oil quality of *Ocimum gratissimum* L. under different NPK levels and harvesting time. *Pafai J*, **8** (2) (1986) 23-27.
- F Dutta D K, Mishra B P, Bora U C, Bordoloi D N: Distillation of essential oil of *Cymbopogon flexuosus*. *Seminar EOAI, RRL Jammu*, (1986).
- C Jain M, Misra P, Banerji R, Nigam S K, Chaturvedi H C, Scheffer J J C, Looman A, Svendsen A B: The essential oils from *in vitro*-grown shoots

and from callus of *Rosmarinus officinalis* L. var. *genuina* forma *erectus*. *Acta bot Neerl*, **35** (1) (1986) 48.

- C Khanna K R, Shukla S: HPLC investigation of inheritance of major opium alkaloids. *Planta med*, **2** (1986) 157-58.
- C Khanna K R, Shukla S: HPLC investigation of the effect of capsule position and lancing number on content of major alkaloids in *Papaver somniferum*. *Planta med*, **2** (1986) 161-62.
- C Khanna R K, Sharma O S, Raina R M, Sinha S, Singh A: The essential oil of *Origanum majorana* Linn. raised on saline alkali soils. *Indian Perfum*, **29** (3-4) (1986) 171-76.
- C Laxmi V, Datta S K: Gamma ray induced small seeded mutant of fenugreek. *J Nucl Agric Biol*, **15** (3) (1986) 193-84.
- C Laxmi V, Datta S K: Induction and analysis of MMS induced mutant of fenugreek. *Sci & Cult*, **52** (1986) 310-12.
- B Mahato S B, Pal B C: Structure of linifoliocide, an isopimarane rhamnoglycoside from *Leucas linifolia*. *Phytochemistry*, **25** (1986) 909-12.
- B Majumder P C, Giri V S, Banerji N: Application of HPLC to determine quinidine in presence of its dihydro and demethoxy derivatives in Cinchona barks. *J Instn Chem India*, **58** (1986) 143.
- C Mehrotra S, Mitra R, Sharma H P: Pharmacognostic studies on 'Punnaga' *Calophyllum inophyllum* Linn. *Herba hung*, **25** (1986) 45-71.
- F Nath S C, Bordoloi D N, Baisya C L: Antifungal substance of *Duabanga grandiflora* (Roxb.) Walp. pulp root bark. *J Assam Sci Soc*, **28** (2) (1986) 11-16.
- D Patra P, Dutta P K: Evaluation of improved lemongrass strains for herb and oil yield and citral content under Bhubaneswar conditions. *Res & Ind*, **31** (1986) 351-60.
- F Rabha L C, Hazarika A K, Bordoloi D N: *Cymbopogon khasianus* —a new rich source of methyl eugenol. *Indian Perfum*, **30** (2-3) (1986) 339-44.
- D Sahoo S, Dutta P K, Patnaik S N: Genetic upgrading of *Solanum viarum* Dunal. as a source of steroid production. I. Evaluation of mutants in M₁ generation. *J Orissa bot Soc*, **8** (1) (1986) 33-40.
- D Sahoo S, Saxena H O, Dutta P K: Manipulation of leaf morphology through mutagenesis for evolving new economic plant type in *Dioscorea floribunda* Mart. & Gal. *Acta Hort*, **188** (1986) 135-137.
- F Sarma P C, Baruah P, Bordoloi: Preliminary screening of certain open pollinated lines of lemongrass against Curvularia blight. *Proc Ann Conf Assam Sci Soc, Namrup*, (1986).

- F Sarma T C, Bordoloi D N: Investigation on production of tubers and diosgenin from *Dioscorea composita* and *D. floribunda* Mart. & Gal. *Indian Drugs*, **24** (1986-87) 277-84.
- F Sarma T C, Bordoloi D N: Studies on the yield of tuber and diosgenin of *Dioscorea composita* Hemsl. and *D. floribunda* Mart. & Gal. under various plantation density. *Indian Drugs*, **23**(6) (1986) 1-5.
- F Sarma T C, Ali F, Bordoloi D N, Chaliha B P, Baruah J N: Studies on biomass production of Kenaf (*Hibiscus cannabinus* L. Plantation Crops: Vol. **1** (1986) 143-151.
- B Sen A K, Banerji N, Farooqui M I H: A water soluble galactomannan from the seeds of *Indigofera tinctoria* (Leguminosae). *Carbohydrate Res*, **157** (1986) 251.
- B Sen A K, Sarkar K K, Majumder P C, Banerji N: Gracinone-D, a new xanthene from *Garcinia mangostana*. *Indian J Chem*, **25B** (1986) 1157.
- C Sharma M L: Extraction of Rose oil from flowers. *Indian Rose A*, **5** (1986) 162-69.
- F Singh R S, Pathak M G, Bordoloi D N: Dynamics of prime constituents in oil of *Ocimum basilicum* L. *Pafai J*, **8** (2) (1986) 16-17.
- C Sinha S, Khanna R K, Srivastava S N, Singh A: Occurrence of apigenin and its glucosides in flowers of *Chrysanthemum morifolium*. *Himalayan chem pharmac Bull*, **3** (1986) 8-9.
- C Srivastava G S, Nigam S K, Misra G: Production and processing of ambrette seeds. *Agriculture Int*, **38** (7/8) (1986) 220-24.
- C Srivastava H P: Perfumery roses on alkaline land. *Indian Rose A*, **5** (1986) 170-76.
- B Waltho J P, Williams D H, Mahato S B, Pal B C, Barna J C J: Structure elucidation of two triterpenoid tetrasaccharides from *Androsace saxifragifolia*. *J chem Soc Perkin Trans 1*, (1986) 1527-31.
- E Zutshi U, Zutshi R K, Singh R, Johri R K, Dhar S K, Rizvi N A: Influence of piperine on the bio-availability pattern of anti-tubercular drugs. *XVIII-Annual Conf Pondicherry* (1986).

1987

- F Barua A, Bordoloi D N: Dynamics of certain plant metabolites in relation to essential oil of Lemongrass (*Cymbopogon flexuosus* Stapf). *Herba hung*, **26** (1987) 41-47.
- F Baruah Anjana, Bordoloi D N: *In vitro* culture and callus induction in two genera of bamboo. *Conf Assam Sci Soc Jorhat*, (1987).
- F Boruah P, Deka P, Bordoloi D N: Inhibition of soil borne plant pathogens by a bacterial antagonist. *Conf Assam Sci Soc Jorhat*, (1987) 18.
- B Chakravarty A K, Das B, Pakrashi S C: New triterpenoid prosaponins from leaves of *Maesa* var. *angustifolia*. *Phytochemistry*, (in press).
- B Chakravarty A K, Pakrashi S C: Solanocastrine, a unique 16, 23-cyclo-22, 26-epiquinocholestane from *Solanum capsicastrum*. *Tetrahedron Lett*, (in press).
- B Chakravarty A K, Pakrashi S C: 7-beta-hydroxy-O-methyl solanocaspine, a new 3-aminosteroidal alkaloid from *Solanum capsicastrum*. *Tetrahedron Lett*, (in press).
- C Chandra V, Sharma M L: Other aromatic plants: *In* Ecodevelopment of Alkaline Land: Banthra — A Case Study. (Ed T N Khoshoo), National Botanical Research Institute, Lucknow, (1987) 87-92.
- B Dutta P K, Sen A K, Sarkar K K, Banerji N: Acid catalysed cyclisation of xanthenes: structure of a new xanthene from *Garcinia mangostana*. *Indian J Chem*, **26B** (1987) 281.
- B Mahato S B, Pal B C: Triterpenoid glycosides of *Corchorus acutangulus* Lam. *J chem Soc Perkin Trans 1*, (1987) 629-34.
- B Mahato S B, Sahu N P, Podder G: Constituents of *Azadirachta indica* and *Melia azedarach*. *Sci & Cult*, **53** (5) (1987) 1-29.
- B Mandal S B, Pakrashi S C: Synthesis of (+)-deplancheine. *Heterocycles*, **26** (1987) 1557.
- C Misra P N: German Chamomile. *In* Ecodevelopment of Alkaline Land: Banthra — A Case Study. (Ed T N Khoshoo), National Botanical Research Institute, Lucknow, (1987) 80-82.
- B Sarkar S K, Podder G, Mahato S B: Glucosides from *Abies webbiana*. *Planta med*, **53** (1987) 209-20.
- F Sarma P C, Bordoloi D N, Baruah J N: Jor Lab L-2 a promising Lemongrass

- strain. *PAFAI Seminar on 'Fragrance and Flavours Industry—A leap into the future, New Delhi*, (1987).
- B Sen A K (Jr), Sarkar K K, Banerji N, Farooqui M I H: Structural investigation of a water-soluble galactomannan from the seeds of *Cassia alata* (Leguminosae). *Indian J Chem*, **26B** (1987) 21.
- C Sharma H P: Common Herbal Drugs as Household Remedies. In *Ecodevelopment of Alkaline Land: Banthra—A Case Study*. (Ed T N Khoshoo), National Botanical Research Institute, Lucknow, (1987) 92-95.
- C Sharma M L, Srivastava H P, Juneja B R: Damask Rose: In *Ecodevelopment of Alkaline Land: Banthra — A Case Study*. (Ed T N Khoshoo), National Botanical Research Institute, Lucknow, (1987) 83-86.

Central Institute of Medicinal and Aromatic Plants, Lucknow (H) Bibliography

1966

Banerjee R, Gupta R, Kapoor ML: Leaf spot disease of *Glycyrrhiza echinata* Linn. in India. *Sci & Cult*, **32** (7) (1966) 373-74.

Kapoor M L, Gupta R: Effect of Seradix B No. 3 (Beta-indole butyric acid) on sprouting and subsequent growth of *Rauvolfia canescens* Linn. *Indian For*, **92** (1966) 137-38.

Virmani O P, Datta S C: Studies on imports and exports of medicinal and aromatic plants in India and their production under CIMPO. *Symp Recent Advances in Develop Prod Util med arom Pl in India*, April 1966 18-20.

1968

Gupta R: Commercial cultivation of *Rauvolfia serpentina*. Need for quality seeds. *ISI Bull*, **20** (1968) 363-65.

1970

Jaitly S C, Srivastava G N: Development and structure of seed of *Coronopus didymus* (L.) Smith (*Senebiera pinnatifida* DC.) *Agra Univ J Res (Sci)*, **19** (I) (1970) 1-8.

1974

Janardhanan K K, Husain A: Fusarium root rot of Belladonna. *Plant Sci*, **6** (1974) 101-02.

1975

Dimri B P, Khan M N A, Narayana M R: Systematic cultivation of *Catharanthus roseus* G. Don. (*Vinca rosea*)—a plant with promise in cancer. *Drug Pharm Ind*, (1975) 21-24.

Gupta G K, Rao P R, Vishwapaul: Production of sennoside concentrate from senna leaves and pods. *Res & Ind*, **20** (1975) 124.

Janardhanan K K, Husain A: Isolation of tenuazonic acid, a phytotoxin from

Alternaria alternata causing leaf blight of *Datura innoxia* Mill. *Indian J exp Biol*, **13** (1975) 321-22.

Janardhanan K K, Hausain A: Nutrient contents of the mycelium of two strains of *Morchella* grown in cauliflower leaves extract-cornsteep liquor medium. *Indian J Microbiol*, **15** (1975) 84-86.

1976

Husain A, Janardhanan K K, Singh K P, Duhan S P S: Cultivation of ergot in submountain terrains of Uttar Pradesh. *Arogya J Hlth Sci*, **2** (1976) 65-67.

Husain A, Singh K P, Thakur R N: Commercial production of ergot in India. *Indian Drugs*, **13** (1976) 5-9.

Krishna Rao D N, Nigam M C: Indigenous herbs of potential value having curative properties. *Indian Drugs*, **14** (3) (1976) 59-61.

Mahajan C, Vishwapaul: An improved method for production of xanthotoxin from *Ammi majus* seed. *Bull IDMA*, **7** (20) (1976) 265-66.

1977

Datta S C, Nigam M C, Anand G K: Optimum conditions for production of diosgenin from *Costus speciosus* tubers. *J Res Indian Med*, **12** (3) (1977) 136-38.

Datta S C, Roy M M, Nigam M C: Studies on determination of optimum conditions for harvesting of *Costus speciosus* and processing for better yield of diosgenin. *Indian Drugs*, **14** (5) (1977) 101-02.

Janardhanan K K, Gupta M L, Husain A: Pythium die-back—a new disease of *Catharanthus roseus* (L.) G. Don. *Indian Phytopathol*, **30** (1977) 421-22.

Mahajan C, Vishwapaul: Production of methoxsalen from *Ammi majus* seeds. *Res & Ind*, **22** (1) (1977) 12-14.

1978

Gupta M L, Janardhanan K K, Husain A: A leaf blight of *Costus speciosus* caused by *Drechslera maydis*. *Indian Phytopathol*, **31** (1978) 243-44.

Janardhanan K K, Singh K P, Husain A: Introduction of ergotoxine-strain of ergot in India. *Indian J pharm Sci*, **40** (6) (1978) 210-11.

Virmani O P, Srivastava G N, Singh P: *Catharanthus roseus*: The tropical periwinkle. *Indian Drugs*, **15** (1978) 231-252.

Gupta M M, Misra L N, Lal R N, Srivastava G N, Singh P: Variation in diosgenin content in rhizomes of *Costus speciosus*. *Indian Drugs*, **17** (1) (1979) 3-5.

Husain A, Singh P, Singh A: Introduction of high alkaloid strain of *Hyoscyamus muticus* in India. *Indian J pharm Sci*, **41** (1) (1979) 46.

Mallavarapu G R, Rao D R: Chemical constituents of some Cucurbitaceae plants. *Indian J Chem*, **17B** (1979) 417.

Thakur R S, Goswami A: Plants containing triterpenoid saponins. *Curr Res med arom Pl*, **1** (1979) 196-228.

Thakur R S, Goswami A: Colchicine and related compounds: A review. *Curr Res med arom Pl*, **1** (1979) 36-46.

1980

Kumar S, Sattar A, Singh K P, Husain A: Seed-mycoflora of *Costus speciosus*. *Indian J Mycol Plant Pathol*, **10** (1) (1980) 101-02.

Kumar S, Singh K P, Husain A: A new spot disease of *Crotalaria juncea* in India. *Indian J Mycol Plant Pathol*, **10** (1) (1980) 103.

Mahmood U, Thakur R S: Glycoalkaloids of Solanum: A review. *Curr Res med arom Pl*, **2** (1980) 142-151.

Mallavarapu G R, Rao S B, Muralikrishna E: Triterpenoids of the heartwood of *Terminalia alata* Heyne ex Roth. *Indian J Chem*, **19B** (1980) 713-14.

Singh P, Philip T: A review on the genus *Aristolochia*. *Curr Res med arom Pl*, **2** (1980) 208-13.

Thakur R S, Goswami A: Ginseng: A review. *Curr Res med arom Pl*, **2** (1980) 93-99.

1981

Farooqi A H A, Misra A: A short note on the effect of hormones on nitrate reductase activity and flowering in *Hyoscyamus muticus* L. *Indian Drugs*, **19** (2) (1981) 83.

Goswami A, Shukla Y N, Thakur R S: Aliphatic compounds from *Hyoscyamus muticus*. *Phytochemistry*, **20** (1981) 1315-17.

Gupta M L, Farooqi S U, Lal R N: Distribution and variation of diosgenin in different parts of *Costus speciosus*. *J nat Prod*, **44** (1981) 486-89.

Gupta M M, Farooqi S U, Lal R N: Diosgenin content of *Costus speciosus* at different stages of growth. *Indian Drugs*, **18** (8) (1981) 285-86.

Gupta M M, Farooqi S U, Lal R N: Induced sprouting of *Costus speciosus* Sims rhizomes as an aid to higher diosgenin production. *Indian J pharm Sci*, **43** (5a) (1981) 184-86.

- Gupta M M, Lal R N, Shukla Y N: Aliphatic hydroxyketones and diosgenin from *Costus speciosus* roots. *Phytochemistry*, **20** (1981) 2553-55.
- Gupta M M, Lal R N, Shukla Y N: Oxo-5 α -stigmast-9 (11) en-3- β -ol, a sterol from *Costus speciosus* roots. *Phytochemistry*, **20** (1981) 2557-59.
- Husain A, Janardhanan K K, Dimri B P, Singh S P: Experimental cultivation of ergot in Palni Hills, Tamil Nadu. *Indian J pharm Sci*, **43** (5) (1981) 168-70.
- Janardhanan K K, Gupta M M, Husain A: Isolation of a phytotoxic metabolite produced by *Drechslera maydis* (Nis) Subram. et Jain causing leaf blight of *Costus speciosus* (Koen.) Sm. *Phytopath Medit*, **20** (1) (1981) 13-16.
- Janardhanan K K, Singh H N, Husain A: Isolation of ergocryptine from a new strain of ergot from India. *Indian J exp Biol*, **20** (1981) 191-92.
- Mahmood U, Thakur R S: Chemical constituents of *Pleurospermum angelicoides*. *Indian J pharm Sci*, **43** (4) (1981) 157-58.
- Shah N C: Traditional cultivation of 'Babunah' [*Chamomilla recutita* (L.) Raushert syn. *Matricaria chamomilla* (L.)] in Lucknow. *Bull medico-ethno-bot Res*, **1** (4) (1981) 471-77.
- Sharma J R: Discrete phenological variation in opium poppy. *Indian Drugs*, **19** (1981) 70-73.
- Sharma J R, Mishra H O, Nair R V, Singh O P, Srivastava P, Srivastava R K, Srivastava D P: Genetic variation in five Thai strains of red sorrel (*Hibiscus sabdariffa* L.). *Indian Drugs*, **18** (1981) 396-99.
- Sharma J R, Mishra H O, Nair R V, Srivastava R K, Singh O P, Srivastava D P: Phenological distribution of latex yield and plant type concept in opium poppy. *Indian Drugs*, **19** (2) (1981) 64-69.
- Singh D, Manchanda S K: Severe incidence of armyworm on rye in Kashmir valley. *Sci & Cult*, **47** (1981) 97-98.
- Singh D V, Singh A, Sharma S N, Mohan R, Yadav R L: Effect of NPK fertilization on tuber yield of 2 year crop of *Dioscorea floribunda* in subtropical plains of India. *Indian Drugs*, **18** (10) (1981) 343-45.
- Singh P, Srivastava G N: Pharmacognostic study of seeds of *Costus speciosus* (Koen.) Smith. *Biol Mem*, **6** (2) (1981) 123-28.
- Singh P, Srivastava G N: Pharmacognostic study of leaf and stem of *Costus speciosus* (Koen.) Sims. *Bull medico-ethno-bot Res*, **1** (1) (1981) 203-12.
- Singh P, Srivastava G N, Philip T: Pharmacognostic study of *Costus speciosus*. *Quart J Crude Drug Res*, **19** (2/3) (1981) 103-11.
- Srivastava G N, Gulati B C: A comparative seed morphology of some *Ocimum* species. *Bull medico-ethno-bot Res*, **2** (1981) 242-49.

Thakur R S, Shukla Y N: Chemical studies on *Duboisia*: A review. *Curr Res med arom Pl*, **3** (1981) 265-70.

Thakur R S, Singh S B, Goswami A: *Azadirachta indica* A. Juss: A review. *Curr Res med arom Pl*, **3** (1981) 135-140.

1982

Gupta M M, Lal R N, Shukla Y N: Aliphatic compounds from *Costus speciosus* roots. *Phytochemistry*, **21** (1982) 230-31.

Janardhanan K K, Gupta M L, Husain A: A new commercial strain of ergot adapted from a wild grass. *Planta med*, **44** (3) (1982) 166-67.

Janardhanan K K, Singh H N, Husain A: Studies on *Claviceps* parasitic on *Paricum* spp. *Folia Microbiol*, **27** (2) (1982) 121-25.

Janardhanan K K, Singh H N, Husain A: Isolation of ergokryptine from a new strain of ergot from India. *Indian J exp Biol*, **20** (1982) 191-92.

Kumar S, Shukla R S, Singh K P, Husain A: Leaf blight of *Hyoscyamus niger* in India. *Indian Phytopathol*, **35** (1982) 335.

Patra N K: Usable taxonomical types in *Catharanthus roseus* G. Don for its future improvement through plant breeding. *Sci & Cult*, **48** (1982) 217-18.

Rao B R R, Singh S P: Spacing and nitrogen studies in pyrethrum (*Chrysanthemum cinerariaefolium*). *J agric Sci*, **99** (1982) 457-59.

Rao B R R, Singh S P: Effect of NPK fertilisation, time of application and intercropping with peas and beans on the yields of ergot (*Claviceps purpurea*) and rye grain. *J Agron Crop Sci*, **51** (1982) 354-59.

Sattar A, Khan A J, Alam M, Husain A: A new phytophthora leaf blight of *Datura innoxia*. *Indian Phytopathol*, **35** (1) (1982) 161-62.

Shah N C: Herbal folk medicines in northern India. *J Ethnopharmacol*, **6** (1982) 293-301.

Shukla R S, Kumar S, Singh K P, Husain A: Seedling blight of *Costus speciosus* caused by *Thanatophorus cucumaris* (Frank) Donk. *Indian Phytopathol*, **35** (1982) 539.

Singh A, Singh K: Effect of sowing date on growth and yield of *Ammi majus* Linn. *Indian Drugs*, **20** (5) (1982) 183-84.

Singh A K, Virmani O P: Cultivation and utilization of isabgul (*Plantago ovata* Forsk.): A review. *Curr Res med arom Pl*, **4** (1982) 109-19.

Singh K P, Shukla R S, Kumar S, Husain A: A leaf spot disease of *Dodonaea viscosa* W. caused by *Corynespora cassiicola* in India. *Indian Phytopathol*, **35** (1982) 325.

Thakur R S, Srivastava S K: Berberine—chemistry, distribution and uses: A review. *Curr Res med arom Pl*, **4** (1982) 249-71.

Virmani O P, Sharma A, Kumar A: Cultivation of *Duboisia*—a commercial source of hyoscyne and hyoscyamine: A review. *Curr Res med arom Pl*, **4** (1982) 47-56.

1983

Agrawal P K, Sharma M P: Chemical constituents of *Allamanda cathartica*. *Indian J pharm Sci*, **45** (1983) 246-48.

Akhila A, Uniyal G C: Quantitative estimation of opium alkaloids. *Indian J pharm Sci*, **45** (1983) 236-38.

Farooqi A H A, Misra A, Chandra K: Alkaloid content of *Hyoscyamus muticus* as influenced by macronutrients. *Indian J Plant Nutr*, **2** (1) (1983) 13-16.

Gupta M M, Shukla Y N, Lal R N: Oxo fatty acids esters from *Cryptocoryne spiralis* rhizomes. *Phytochemistry*, **22** (1983) 1969-71.

Gupta M M, Shukla Y N, Lal R N: Investigation of *Costus*-IV: Chemical studies of saponins of *Costus speciosus* roots. *Planta med*, **48** (1983) 64.

Husain A, Singh D, Tripathi A K, Rao S M: Biology of leaf miner *Phytomyza horticola* Goureaux on opium poppy. *Entomol*, **9** (1983) 287-91.

Janardhanan K K, Husain A: Studies on isolation, purification and identification of tenuazonic acid, a phytotoxin produced by *Alternaria alternata* (Fr.) Keissler causing leaf blight of *Datura innoxia* Mill. *Mycopathologia*, **83** (3) (1983) 135-40.

Kumar A, Sharma A, Virmani O P: Belladonna and its cultivation: A review. *Curr Res med arom Pl*, **5** (1983) 198-210.

Mahmod U, Thakur R S, Blunden G: Neochlorogenin, neosolaspigenin and solaspigenin from *Solanum torvum* leaves. *J nat Prod*, **46** (1983) 427-28.

Mahmood U, Singh S B, Thakur R S: Angelicoidenol, a bicyclic monoterpene from the seeds of *Pleurospermum angelicoides*. *Phytochemistry*, **22** (1983) 774-76.

Mahmood U, Shukla Y N, Thakur R S: Non-alkaloidal constituents from *Solanum torvum* leaves. *Phytochemistry*, **22** (1983) 167-69.

Rao B R R, Singh S P: Spacing and intercropping trials in ergot. *J pharm Sci*, **45** (1983) 17-18.

Rao B R R, Singh S P, Rao E V S P: N, P and K fertilizer studies in pyrethrum (*Chrysanthemum cinerariaefolium*). *J agric Sci*, **100** (1983) 509-11.

Sharma A, Kumar A, Virmani O P: Cultivation of German chamomile: A review. *Curr Res med arom Pl*, **5** (1983) 269-78.

Sharma J R, Singh O P: A promising induced mutant in black henbane (*Hyoscyamus niger* L.). *Curr Sci*, **52** (1983) 988-89.

Shukla R S, Kumar S, Singh K P, Husain A: A new leaf spot disease of *Costus speciosus* caused by *Drechslera rostrata* in India. *Indian Phytopathol*, **36** (1983) 571-73.

Shukla Y N, Thakur R S: Heptatriacontan-4-one, tetratriacontanyl octacosanoate and other constituents from *Pedaliium murex*. *Phytochemistry*, **22** (1983) 973-74.

Singh S B, Thakur R S: Recent advances in the chemistry of steroidal saponins and their genins. *J sci industr Res*, **42** (1983) 319-24.

Singh S P, Rao B R R: Variability in total pyrethrin content in pyrethrum (*Chrysanthemum cinerariaefolium*). *Indian Drugs*, **20** (1983) 365-67.

Subba Rao B L, Husain A, Manohar S K: Association of mycoplasma like bodies with little leaf disease of periwinkle [*Catharanthus roseus* (L.) G. Don] in India. *Indian J Plant Pathol*, **1** (1) (1983) 122-24.

1984

Agrawal P K, Singh S B, Thakur R S: ¹³C NMR spectral analysis of spirostanol and furostanol glycosides of *Paris polyphylla* and *Costus speciosus*. *Indian J pharm Sci*, **46** (4) (1984) 158-60.

Akhila A, Nigam M C: Synthesis of acetylisolongifolene. *Indian J Chem*, **23 B** (1984) 896.

Gupta M M, Lal R N, Shukla Y N: Oxo fatty acids from *Cryptocoryne spiralis* rhizomes. *Phytochemistry*, **23** (1984) 1639-41.

Gupta R K, Jain D C, Thakur R S: Furostanol glycosides from *Trigonella foenum-graecum* seeds. *Phytochemistry*, **23** (1984) 2605-07.

Jain S P, Puri H S: Ethnomedicinal plants of Jaunsar—Bawar hills (UP), India. *J Ethnopharmacol*, **12** (1984) 213-22.

Janardhanan K K, Husain A: Phytotoxic activity of tenuazonic acid isolated from *Alternaria alternata* (Fr.) Keissler causing leaf blight of *Datura innoxia* Mill. and its effects on host metabolism. *Phytopath Z*, **111** (1984) 305-11.

Janardhanan K K, Husain A: A new strain of *Claviceps paspali* Stevens & Hall producing ergometrine in submerged culture. *Proc Indian nat Sci Acad*, **50B** (1984) 438-40.

- Janardhanan K K, Sattar A, Husain A: Production of fumigaclavine A by *Aspergillus tamari* Kita. *Canad J Microbiol*, **30** (1984) 247-50.
- Kumar A, Sharma A, Singh A K, Virmani O P: Cultivation of *Hyoscyamus* as source of tropane alkaloids: A review. *Curr Res med arom Pl*, **6** (1984) 197-211.
- Kumar S, Shukla R S, Singh K P, Husain A: *Alternaria* leaf spot disease of *Hyoscyamus muticus* in India. *Indian J Mycol Plant Pathol*, **14** (2) (1984) 176.
- Kumar S, Shukla R S, Singh K P, Paxton J D, Husain A: Glyceollin: A phytoalexin in leaf blight of *Costus speciosus*. *Phytopathol*, **74** (1984) 1349-52.
- Mahmood U, Shukla Y N, Thakur R S: Benzoquinones from *Costus speciosus* seeds. *Phytochemistry*, **23** (1984) 1725-27.
- Schulten H R, Singh S B, Thakur R S: Field desorption and fast atom bombardment mass spectrometry of spirostanol and furostanol saponins from *Paris polyphylla*. *Z Naturforsch*, **39C** (1984) 201-11.
- Shukla Y N, Thakur R S: Aliphatic constituents from *Duboisia myoporoides*. *Phytochemistry*, **23** (1984) 799-801.
- Shukla Y N, Thakur R S: 8-Hydroxydotriacontan-30-one and other constituents from *Duboisia myoporoides*. *Phytochemistry*, **23** (1984) 1516-17.
- Singh A K, Sharma A, Kumar P, Virmani O P: Cultivation and utilization of liquorice (*Glycyrrhiza glabra* L.): A review. *Curr Res med arom Pl*, **6** (1984) 98-105.
- Singh D, Tripathi A K: Insect-pest complex of opium poppy and their control. *Pesticides*, **18** (4) (1984) 33-34.
- Singh D, Tripathi A K, Rao S M: Sowing time of Indian senna in relation to *Catopsilia* larvae management. *Indian J agric Sci*, **54** (1984) 1073-75.
- Singh S B, Singh A K, Thakur R S: Chemical constituents of the leaves of *Helicteres isora*. *Indian J pharm Sci*, **45** (1984) 148-49.
- Singh S B, Thakur R S: Aliphatic esters from *Costus speciosus* seeds. *Indian J pharm Sci*, **46** (1984) 150-51.
- Srivastava H K: Prospects for genetic engineering in medicinal and aromatic plants. *Trends Pl Res*, **1** (1984) 327-41.
- Subba Rao B L, Husain A: Green mosaic: A virus disease of *Hyoscyamus muticus* L. in India. *Curr Sci*, **53** (1984) 482-84.
- Tyagi B R, Akhila A, Gupta M M, Uniyal G C, Lal R N: Seasonal variation of tropane alkaloids in *Hyoscyamus muticus* L. *Fitoterapia*, **55** (1984) 359-60.
- Yadav R L, Mohan R, Singh R, Gupta M M: Effect of rate and time of nitrogen

application on transplanted *Hyoscyamus muticus* Linn. *Indian J Agron*, **29** (1984) 553-54.

Yadav R L, Mohan R, Singh R, Verma R K: The effect of application of nitrogen fertilizer on the growth of opium poppy in north central India. *J agric Sci*, **102** (1984) 361-66.

1985

Agrawal P K, Jain D C, Gupta R K, Thakur R S: Carbon 13 NMR spectroscopy of steroidal sapogenins and steroid saponins. *Phytochemistry*, **24** (1985) 2479-96.

Agrawal P K, Thakur R S: 13C NMR spectroscopy of lignan and neolignan derivatives. *Mag Reso Chem*, **23** (1985) 389-418.

Bagchi G D, Puri H S: Pesticide residues in crude drugs and spices. *Indian Drugs*, **22** (1985) 448-54.

Duhan S P S, Garg S N, Singh D V: Response of *Ammi majus* Linn. to date of sowing and nitrogen rates under the climate of Jammu. *Indian Drugs*, **22** (1985) 358-60.

Duhan S P S, Garg S N, Singh D V: Response of ergot of rye to paired row sowing pattern and seed rates. *Indian Drugs*, **22** (1985) 361-63.

Gupta M M, Akhila A, Verma A, Singh D: Effect of some insecticides on the yield of tropane alkaloids in Egyptian Henbane (*Hyoscyamus muticus* Linn.) *Indian J pharm Sci*, **47** (2) (1985) 37-38.

Gupta R K, Jain D C, Thakur R S: Droplet counter current chromatography of furostanol glycosides of *Trigonella foenum-graecum*. *Indian J pharm Sci*, **47** (1) (1985) 25-26.

Gupta R K, Jain D C, Thakur R S: Furostanol glycosides from *Trigonella foenum-graecum* seeds. *Phytochemistry*, **24** (1985) 2399-2401.

Haseeb A, Pandey R, Husain A: New host records of the rootknot nematode, *Meloidogyne javanica*. *FAO Plant Protect Bull*, **33** (3) (1985) 123.

Kukreja A K, Mathur A K: Tissue culture studies in *Duboisia myoporoides*, 1. Plant regeneration and clonal propagation by stem node culture. *Planta med*, (1985) 93-96.

Lavania U C, Lal R K, Sharma J R: Radiation induced hyperdiploidy in *Hyoscyamus muticus*. *Experientia*, **41** (1985) 1079-80.

Mahmood U, Agrawal P K, Thakur R S: Torvonin-A, a spirostane saponin from *Solanum torvum*. *Phytochemistry*, **24** (1985) 2456-57.

Mahmood U, Shukla Y N, Thakur R S: 2, 3 Dimethylnonacosane and tropane alkaloids from *Hyoscyamus albus*. *Phytochemistry*, **24** (1985) 1618-19.

Rao B L, Husain A: Presence of cyclopiazonic acid in kodo millet (*Paspalum scrobiculatum*) causing 'Kodu poisoning' in man and its production by associated fungi. *Mycopathol*, **89** (1985) 177-80.

Shawl A S, Dar B A, Vishwapaul M: Isoflavones from *Iris hookeriana*. *J nat Prod*, **48** (1985) 849-50.

Shukla Y N, Thakur R S: Fatty acids and esters from *Panax pseudo-ginseng* rhizomes. *Phytochemistry*, **24** (1985) 1091-92.

Singh A, Singh D V, Narayana M R, Shukla Y N, Husain A: Cultivation of *Duboisia myoporoides* R. Brown as source of tropane alkaloids in India. *Indian J pharm Sci*, **47** (3) (1985) 120-21.

Singh D V, Yadav R L, Anwar M, Gupta M M: Spacing and nutritional (NPK) requirement of medicinal yam (*Dioscorea floribunda* Mart. & Gal.). *Indian Drugs*, **22** (1985) 407-09.

Singh K, Singh V, Singh V P, Kothari S K: Cultivating medicinal and aromatic plants along agroforestry. *Indian Fmrs' Dig*, **18** (9) (1985) 34-36.

Singh S P, Rao B R R: Root and shoot development in pyrethrum. *Pyrethrum Post*, **16** (1985) 12-13.

Syamsundar K V, Singh B, Thakur R S, Husain A, Kiso Y, Hikino H: Anti hepatotoxic principles of *Phyllanthus niruri* herbs. *J Ethnopharmacol*, **14** (1) (1985) 41-44.

Tripathi A K, Rizvi S M A: Antifeedant activity of indigenous plants against *Diacrisia obliqua* Walker. *Curr Sci*, **54** (1985) 630.

1986

Agrawal P K: Carbon-13 NMR spectral investigations. Part 13-YB (FOD) 3-induced carbon-13 NMR shift studies on some benzopyrene derivatives. *Indian J Chem*, **25B** (1986) 1228-30.

Agrawal P K, Thakur R S: Lanthanide-induced C-13 NMR shift studies on spirostane sapogenins. *Indian J Chem*, **25B** (1986) 469-72.

Anjeneyulu A S R, Reddy A V R, Mallavarapu G R, Chandrasekhara R S: 3-Acetylmasilinic acid from the root bark of *Terminalia alata*. *Phytochemistry*, **25** (1986) 2670-71.

Bagchi G D, Tripathi R: Scanning electron microscopic studies on some medicinally important seeds of Papilionaceae. *Geophytology*, **16** (1) (1986) 122-28.

Bhakuni R S, Shukla Y N, Thakur R S: 6-Methoxy-3-propenyl-2-pyridine carboxylic acid—a new pyridine alkaloid from *Melochia corchorifolia*. *Chem & Ind* (1986) 464.

- Bhakuni R S, Shukla Y N, Thakur R S: Constituents of *Cornus capitata*. *J nat Prod*, **49** (1986) 714.
- Bhatt A V, Nair K N, Nair C A A, Puri H S: Ethno-botanical studies in the Silent Valley and the adjoining area. *Bull medico-ethno-bot Res*, **3** (2-4) (1986) 153-161.
- Choudhuri P K, Thakur R S: An acylated flavone apigenin-7-O- β -D-(4''-cis-p-coumaroyl) glucoside from *Echinops echinatus*. *Phytochemistry*, **25** (1986) 1770-71.
- Gupta M L, Janardhanan K K, Husain A: Fusarium root-rot of opium poppy. *FAO Plant Protect Bull*, **34** (2) (1986) 108-09.
- Gupta M M, Shukla Y N: 5 α -stigmast-11-en-3 β -yl palmitate and 24-ethyl-5 α -cholesta-8(14), 25-dien-3 β -yl stearate, two sterol esters from *Cryptocoryne spiralis* rhizomes. *Phytochemistry*, **25** (1986) 1423-25.
- Gupta M M, Verma P K, Akhila A: Oxoacids and branched fatty acid esters from rhizome of *Costus speciosus*. *Phytochemistry*, **25** (1986) 1899-902.
- Gupta R K, Jain D C, Thakur R S: Two furostanol saponins from *Trigonella foenum-graecum*. *Phytochemistry*, **25** (1986) 2205-07.
- Gupta R K, Jain D C, Thakur R S: Three minor steroidal sapogenins from fenugreek seeds—*Trigonella foenum-graecum*. *J nat Prod*, **49** (1986) 1153.
- Kukreja A K, Mathur A K, Ahuja P S: Morphogenetic potential of foliar explants in *Duboisia myoporoides* R. Br. (Solanaceae). *Plant Cell Rep*, **5** (1986) 27-30.
- Lavania U C: High bivalent frequencies in artificial autopolyploids of *Hyoscyamus muticus* L. *Canad J Genet Cytol*, **28** (1986) 7-11.
- Lavania U C: Genetic improvement of Egyptian henbane, *Hyoscyamus muticus* L. through induced tetraploidy. *Theor appl Genet*, **73** (1986) 292-98.
- Mallavarapu G R, Rao S B, Syamsundar K V: Chemical constituents of the bark of *Terminalia alata*. *J nat Prod*, **49** (1986) 549-50.
- Misra L N: Arteannuin-C, a sesquiterpene lactone from *Artemisia annua*. *Phytochemistry*, **25** (1986) 2892-93.
- Patra N K: Identification of a new kind of cytotoxicity in Himalayan Panax (*Panax pseudo-ginseng* subsp. *himalaicus* Hara). *Cytologia*, **51** (1986) 301-08.
- Ravindra N S: Root and collar rot of *Catharanthus roseus* caused by *Pythium aphanidermatum*. *Indian J Mycol Pl Pathol*, **16** (1986) 228.
- Sattar A, Alam M, Janardhanan K K, Husain A: Isolation of tenuazonic acid, a phytotoxin from *Alternaria crassa* (Sacc.) Rands causing leaf blight and fruit rot of *Datura innoxia* Mill. *Curr Sci*, **55** (1986) 195-96.

- Sattar A, Janardhanan K K, Husain A: Bacterial blight of Egyptian henbane. *FAO Plant Protect Bull*, **34** (3) (1986) 161.
- Sharma A, Kumar A, Tewari R, Virmani O P: Ipecac: A review. *Curr Res med arom Pl*, **8** (1986) 182-91.
- Sharma A, Singh A K, Tewari R, Virmani O P: *Digitalis* spp. as a source of cardiac glycosides. *Curr Res med arom Pl*, **8** (1986) 29-48.
- Sharma J R, Lal R K, Lavania U C, Gupta M M, Mishra H O: Productivity and cytogenetic analysis of an unbranched mutant in *Hyoscyamus niger* L. *Plant Breeding*, **97** (1986) 375-78.
- Sharma S, Bahl J R: Probit analysis in mutagen treated seeds of Indian senna. *J Indian Soc agric Stat*, **38** (1986) 315-16.
- Shukla Y N, Thakur R S: Saponins and other constituents from the rhizomes of *Panax pseudo-ginseng* subsp. *himalaicus* var. *angustifolius*. *Phytochemistry*, **25** (1986) 2201-03.
- Singh A, Kaul V K, Mahajan V P, Singh A, Misra L N, Thakur R S, Husain A: Introduction of *Artemisia annua* in India and isolation of artemisinin, a promising antimalarial drug. *Indian J pharm Sci*, **48** (1986) 137-38.
- Singh A, Singh M, Singh D V: The successful use of intercropping for weed management in medicinal yam (*Dioscorea floribunda* Mart. & Gal.) *Trop Pest Management*, **32** (2) (1986) 105-07.
- Singh B, Agrawal P K, Thakur R S: Aesculuside A—a new triterpene glycoside from *Aesculus indica*. *Planta med*, (1986) 409-10.
- Singh B, Agrawal P K, Thakur R S: Chemical constituents of *Phyllanthus niruri*. *Indian J Chem*, **25B** (1986) 600-02.
- Singh S P, Rao B R R, Sastry K P: Coheritable variation in *Pyrethrum*. *Indian Drugs*, **23** (1986) 522.
- Srivastava G N, Bagchi C D: SEM studies on the spermoderm structure of some medicinally important species of Solanaceae. *Geophytology*, **16** (1986) 193-97.
- Srivastava M, Mandal S K, Abraham Z: Correlation and path-coefficient analysis of morphological characters and coleonol yield of *Coleus forskohlii* (Willd.) Briq. *Indian J agric Sci*, **56** (1986) 86-89.
- Subba Rao B L, Zaim M, Husain A: Mottling disease of *Atropa belladonna* L. in India. *Phytopathol*, **76** (1986) 1109.
- Tyagi B R: Development of high tropane alkaloids containing stable genotypes in Egyptian Henbane (*Hyoscyamus muticus* L.). In *Plantation Crops—Opportunities and Constraints*, edited by Srivastava *et al*, Oxford & IBH Publishing Co., New Delhi, Vol. I, (1986) pp 387-90.

1987

- Akhila A, Gupta M M: Biosynthesis and translocation of diosgenin in *Costus speciosus*. *J Pl Physiol*, **130** (1987) 285-90.
- Akhila A, Gupta M M, Thakur R S: Direct cyclisation of squalene to 5 α stigmast-(9, 11)-en-3 β -ol via (9, 11)-lanosterol in *Costus speciosus*: A unique finding in sterol biosynthesis. *Tetrahedron Lett*, **28** (1987) 4085-88.
- Akhila A, Thakur R S, Popli S P: Biosynthesis of artemisinin in *Artemisia annua*. *Phytochemistry*, **26** (1987) 1927-30.
- Bhakuni R S, Shukla Y N, Thakur R S: Chemical examination of the roots of *Rubus ellipticus*. *Indian Drugs*, **24** (1978) 272.
- Bhakuni R S, Shukla Y N, Thakur R S: Chemical constituents of *Melochia corchorifolia* Linn. *Indian J Chem*, **16** (1987) 161-64.
- Bhakuni R S, Shukla Y N, Thakur R S: Chemical constituents of *Ajuga bracteosa*. *Indian J pharm Sci*, **49** (1987) 225-26.
- Bhakuni R S, Shukla Y N, Thakur R S: Cyclopeptide alkaloids from *Melochia corchorifolia*. *Phytochemistry*, **26** (1987) 324-25.
- Bhakuni R S, Shukla Y N, Thakur R S: Triterpenoids from *Cornus capitata*. *Phytochemistry*, **26** (1987) 2607-10.
- Chandra A, Misra L N, Thakur R S: New gemacranolides and alkyl glucosides from *Tanacetum vulgare*. *Phytochemistry*, **26** (1987) 1463-65.
- Chaudhuri P K: A labdane diterpenoid and sterol from *Lagerstroemia lancasteri*. *Phytochemistry*, **26** (1987) 3361-62.
- Chaudhuri P K: Echinozolinone, an alkaloid from *Echinops echinatus*. *Phytochemistry*, **26** (1987) 587-89.
- Chauhan S P, Patra N K, Srivastava H K: Dwarf mutant of *Papaver somniferum* with high morphine content. *Mutation Breed Newslett*, **30** (1987) 6.
- Dutta G P, Bajpai R, Vishwakarama R A: Blood schizonticide activities of artemisinin and a new antimalarial arteether against *Plasmodium berghii*. *Indian J Parasitol*, **11** (1987) 253.
- Farooqi A H A, Chandra K, Shukla Y N, Uniyal G C: Physiological studies on rhizome dormancy in *Costus speciosus* (Koen.) Sm. *Plant Physiol Biochem*, **14** (1) (1987) 53-58.
- Farooqi A H A, Shukla Y N: A biologically active phthalic acid ester from *Costus speciosus* rhizomes. *Indian Drugs*, **25** (1987) 37.
- Jain D C: Antifeedant active steroidal saponins from *Balanites roxburghii* stem bark. *Phytochemistry*, **26** (1987) 2223-25.

- Jain D C: Gitogenin-3-0- β -D-laminaribioside from the aerial part of *Agave cantala*. *Phytochemistry*, **25** (1987) 1789-90.
- Kaul V K, Mahajan V P, Weyerstahl P: Further evidence for the revised structure of angilicain. *Fitoterapia*, **58** (1987) 129-32.
- Mathur A, Mathur A K, Kukreja A K, Ahuja P S, Tyagi B R: Establishment and multiplication of colchi-autotetraploids of *Rauvolfia serpentina* (L.) Benth. ex Kurz through tissue culture. *Plant Cell Tissue Organ Cult*, **10** (1987) 129-34.
- Sharma A, Tewari R, Gauniyal A K, Virmani O P: Cinchona: A review. *Curr Res med arom Pl*, **9** (1987) 34-56.
- Shukla R S, Agrawal P K, Husain A: Drechslerol-A, a new phytotoxic metabolite produced by *Drechslera maydis*, a strain from *Costus speciosus*. *Plant Sci*, **48** (1987) 159-63.
- Shukla R S, Husain A: Influence of various factors on toxicity of culture filtrate of *Drechslera maydis*, a strain from *Costus speciosus*. *J Phytopathol*, **118** (1987) 187-92.
- Shukla Y N, Thakur R S: Sapogenins of *Panax pseudo-ginseng* subsp. *himalaicus* and its two varieties, var. *angustifolius* and var. *bipinnatifidus*. *Indian J pharm Sci*, **49** (1987) 140-41.
- Singh A, Singh K, Singh D V: Chemical weed control in German Chamomile (*Matricaria chamomilla* L.). *Indian J Weed Sci*, **18** (2) (1987) 120-22.
- Singh B, Agrawal P K, Thakur R S: Aesculuside-B, a new triterpene glycoside from *Aesculus indica*. *J nat Prod*, **50** (1987) 781-83.
- Singh D, Jain D C: Relative toxicity of various organic solvents generally used in screening plant products for insecticidal activity against the housefly. *Indian J exp Biol*, **25** (1987) 569-70.
- Singh S P, Rao B R R, Singh A K: The genetic variation of yield components in pyrethrum (*Chrysanthemum cinerariaefolium* Vis.). *Genet agr*, **41** (1987) 173-78.
- Singh V P, Singh A K, Singh D V: Diosgenin accumulation pattern in *Costus speciosus* with advancement in crop age under varying levels of nitrogen. *Acta Horti*, **208** (1987) 87-92.
- Srivastava G N, Bagchi G D, Srivastava A K: Ashoka (*Saraca asoca* De Wilde)—A potential ayurvedic drug. *Indian Drugs*, **24** (1987) 396-407.
- Srivastava R K, Sharma J R: Estimation of genetic variance and allied parameters through biparental mating in opium poppy (*Papaver somniferum* L.) *Aust J agric Res*, **38** (1987) 1047-52.

Srivastava R K, Sharma J R: Changes in character associations following biparental mating in a population of opium poppy. *Crop Improv*, **14** (1987) 84-86.

Verma R K, Singh N, Gupta M M: Triterpenoids of *Ichnocarpus frutescens*. *Fitoterapia*, **58** (1987) 271-72.

Some Important CSIR Publications on Medicinal Plants

1. CENTRAL DRUG RESEARCH INSTITUTE, LUCKNOW
 - 1.1 Current Research in Pharmacology in India, by B.N. Dhawan, Indian National Science Academy, India, 1984.
 - 1.2 Current Research on Medicinal Plants in India, by B.N. Dhawan, Indian National Science Academy, New Delhi, 1986.
 - 1.3 Medicinal Plants – Forty Years of Research – A CSIR Overview, by R.P. Rastogi, B.N. Dhawan & M.M. Dhar, Council of Scientific & Industrial Research, New Delhi, 1987.
2. REGIONAL RESEARCH LABORATORY, JAMMU-TAWI
 - 2.1 Chopra's Indigenous Drugs of India, by R.N. Chopra, I.C. Chopra, K.L. Handa & L.D. Kapur, U.N. Dhur & Sons Private Ltd, Calcutta, 2nd edition, 1958.
 - 2.2 Cultivation & Utilization of Medicinal and Aromatic Plants, edited by C.K. Atal & B.M. Kapur, Regional Research Laboratory, CSIR, Jammu-Tawi, 1977.
 - 2.3 Cultivation & Utilization of Medicinal Plants, edited by C.K. Atal & B.M. Kapur, Regional Research Laboratory, Jammu-Tawi, 1982.
3. CENTRAL INSTITUTE OF MEDICINAL AND AROMATIC PLANTS, LUCKNOW
 - 3.1 Belladonna and its Cultivation in India, by A. Husain, CIMAP Farm Bulletin No. 5, 1977.
 - 3.2 *Catharanthus roseus* and its Cultivation in India, by M.R. Narayana, B.P. Dimri & M.N.A. Khan, CIMAP Farm Bulletin No. 8, 1977.
 - 3.3 *Rauvolfia serpentina* and its Cultivation in India, by A.K. Srivastava, CIMAP Farm Bulletin No. 10, 1978.
4. PUBLICATIONS & INFORMATION DIRECTORATE, NEW DELHI
 - 4.1 The Wealth of India: A Dictionary of Indian Raw Materials and Industrial Products—Raw Materials Series, Council of Scientific & Industrial Research, New Delhi, Vols I-XI, 1948–1976; Raw Materials Vol. I: A, revised edition, 1985; Vol. 2: B, revised edition, 1988
 - 4.2 Glossary of Indian Medicinal Plants, by R.N. Chopra, S.L. Nayar & I.C. Chopra, Council of Scientific & Industrial Research, New Delhi, 1956; Supplement to Glossary of Indian Medicinal Plants, by R.N. Chopra, I.C. Chopra & B.S. Verma, Publications & Information Directorate, New Delhi, 1969.
 - 4.3 Diosgenin and other Steroid Drug Precursors, by L.V. Asolkar & Y.R. Chadha, assisted by P.S. Rawat, Publications & Information Directorate, New Delhi, 1979.
 - 4.4 *Medicinal and Aromatic Plants Abstracts* (MAPA)—A bimonthly abstracting journal, Publications & Information Directorate, New Delhi.

INDEX

(BOTANICAL NAMES ARE GIVEN IN ROMAN, COMMON ENGLISH NAMES IN CAPITALS AND VERNACULAR NAMES IN ITALICS)

A

- Abelmoschus moschatus* Medic. 17, 51, 70
Abies webbiana 131
Abrus precatorius 43
Acacia arabica 27
Acacia auriculiformis 99
Acacia catechu Willd. 22, 30, 102
Achyranthes aspera Linn. 3, 13
Aconitum sp. 20
Acorus calamus Linn. 18, 82
Actinodaphne obovata 57
Adenanthera pavonina 59, 75
Adhatoda vasica Nees 31, 35, 80, 86, 97, 102, 107, 115, 126
Aegle marmelos (L.) Correa 60, 87, 95, 106
Aeolanthus gambelliae 94
Agave sisalana 52, 116
Agave vera cruz 116
Agave sp. 63, 126
Agrimonia eupatoria Linn. 21
Ailanthus malabarica DC. 3, 12, 37
Alangium lamarckii Thw. 11, 18, 19, 20, 24, 28, 30, 31, 35, 38, 41, 43, 44, 46, 51, 62, 66, 70, 89, 95, 98, 103, 105, 115, 125, 128
Albizia lebbbeck Benth. (*Sirish*) 58
Albizia procera Benth. 63
Albizia sp. 123
Allamanda cathartica 43
Allium cepa 107
Allium sativum 15
Alstonia scholaris R. Br. 47
Amaranthus spinosus Linn. 58, 90, 95
Amberboa ramosa 119
 AMBRETTE (*Abelmoschus*) 21, 22, 130
Ammi majus Linn. 45, 68, 78, 89, 106
Ammi visnaga 13, 81, 83
Anagallis arvensis Linn. 7
Ananas comosus (Linn.) Merr. 68
Anaphalis araneosa 90, 105, 107, 131
Andrographis paniculata (*Kalmegh*) 56, 85
Androsace saxifragifolia 120, 130
Anisomeles malabarica R. Br. 86, 91
Annona squamosa 14, 55
Anogeissus latifolia Wall. 91, 102, 123
Anthocephalus cadamba Miq. 62, 64, 78, 84
Antidesma menasu Miq. 98
Aquilaria agallocha 98, 106
Arctium lappa Linn. 93
Argemone 57
Argemone mexicana 67
Argyreia speciosa Sweet 12, 34, 62
Aristolochia indica 82, 98, 101, 105, 112, 117
Aristolochia sp. 87
Arnebia nobilis 44, 52, 55, 56, 60
Artemisia grata Wall. syn. *A. roxburghiana* 86
Artemisia parviflora Roxb. 73
Artemisia roxburghiana 115
Artemisia scoparia Waldst. & Kit. 55, 70, 109, 121
Artemisia vulgaris 35
Artemisia sp. 122
Artocarpus chaplasha 51
Asclepias curassavica Linn. 42, 52, 81, 87, 88
Ashwagandha 38, 116, 118
Asparagus acerosus Roxb. 46
Asparagus racemosus (*Shatamuli*) 46
Aspergillus niger 90
Asteracantha longifolia Nees 25, 39
Astragalus polycanthus 123
Atalantia monophylla 66
Atropa belladonna 49, 51, 58, 59, 62, 67, 68, 94, 99, 103
Atropa sp. 79
Atylosia trinervia 89
Azadirachta indica (*Neem*) 4, 78, 118, 119, 123, 125, 131

B*Babchi* 13*Bacopa monniera* Wettst. 19, 27, 33, 37, 68, 79, 88, 110*Balanites aegyptiaca* 49*Balanites roxburghii* Linn. 5**BAMBOO** 131*Barringtonia acutangula* Gaertn. 42, 76*Bassia latifolia* 5**BAUHINIA** 75**BELLADONNA** 38, 47, 51, 56, 72, 79, 107*Benincasa cerifera* Savi 5*Benincasa hispida* 74*Berberis aristata* (*Rasaut*) 1*Berberis asiatica* Roxb. 40*Berberis chitria* 123*Beta vulgaris* Linn.var. *cicla* Miq. 63(*Palankya*)*Bhringaraj* 42*Boenninghausenia albiflora* Reichb. 93*Boerhaavia diffusa* Linn. 100, 111*Boswellia serrata* 95*Bragantia wallichii* R. Br. 34*Brassica oleracea* var. *capitata* 25*Bridelia montana* 69*Bridelia retusa* 51*Bridhara* 41*Buchanania axillaris* (Ders.) Ramam 102*Buchanania lanzan* Spreng. 98, 103**BUCKWHEAT** (*Fagopyrum*) 105*Butea monosperma* (Lam) Kuntze 94, 99**C***Caesalpinia digyna* Rottl. 5, 12, 114, 124*Caesalpinia sappan* Linn. 120*Cajanus cajan* 42**CALAMUS—INDIAN** 13*Callicarpa macrophylla* Vahl 76*Callistemon lanceolatus* 67*Calophyllum amoenum* 78*Calophyllum inophyllum* Linn. 12, 120, 129*Calotropis procera* 22, 50*Calotropis* spp. 56*Caltha palustris* 118*Careya arborea* 56, 59, 63, 107*Carex pamirensis* Cl. ex Fedt. 123*Carissa carandas* Linn. 29, 36, 39*Carissa spinarum* Linn. 29, 44*Carissa* spp. 41*Casimiroa edulis* 125*Cassia* 64, 68*Cassia absus* Linn. 4*Cassia alata* 132*Cassia angustifolia* 56*Cassia fistula* 30, 108*Cassia siamea* 47*Cassia tora* Linn. 26*Castanopsis indica* 82, 87*Catharanthus roseus* (Linn.) G. Don 14, 15, 16, 28, 50, 54, 62, 82, 86, 93, 105, 107, 114*Cedrela toona* 69*Cedrus deodara* Lamb 52, 60, 68, 69, 74, 75, 95, 101, 105*Celastrus paniculatus* Willd. 69, 81**CELERY** 106, 122*Celsia coromandeliana* Vahl 62, 91*Centella asiatica* Linn. 9, 19, 28, 40, 42*Centipeda orbicularis* Laur. 4*Chharila* 50*Chloroxylon swietenia* DC. 100*Chrysanthemum cinerariaefolium* Vis. 86, 125*Chrysanthemum morifolium* 130*Cicer arietinum* Linn. 2, 13, 59, 116**CINCHONA** 31, 124, 129**CINCHONA ALKALOIDS** 79, 124*Cinchona ledgeriana* Linn. 40*Cinnamomum camphora* 66*Cinnamomum tamala* 73*Cinnamomum* spp. (*Tejpat*) 60*Cissampelos pareira* Linn. 3, 7, 9, 14, 16, 23, 37, 40, 55*Cissampelos* sp. 30, 31, 32**CITRONELLA** 37, 49, 54, 79, 83, 106*Citrullus colocynthis* 25*Citrus decumana* Linn. 117*Clausena anisata* 119*Clausena indica* 85*Clausena lansium* 96*Clausena pentaphylla* (Roxb.) DC. 78, 81, 88, 108*Clematis nepalensis* DC. 14*Clematis triloba* Heyne ex Roth 14*Cleome icosandra* Linn. 92*Clerodendron phlomoides* 23*Clerodendrum serratum* (L.) Moon 23*Coccinia indica* Wight & Arn. 4, 13, 23

Cocculus laurifolius DC. 70, 75, 76, 82, 83, 92, 93, 120
Cocculus pendulus Diels 45, 67
Cocculus villosus DC. 11
Codonopsis rotundifolia Benth. 63
Coleus forskohlii Briq. 63, 83, 86, 89, 92, 94, 102, 110, 111, 121
Coleus spicatus 114
Colocasia fornicata 56
Commelina undulata 110
Commiphora mukul (*Guggul*) 51, 56, 59, 60, 66, 68, 101, 112, 117
Conyza stricta 69, 76, 83, 94, 97
Corchorus acutangulus Lam. 131
Corydalis cornuata Royle 80
Corydalis govaniana Wall. 74
Corydalis meifolia 112, 115, 128
Costus speciosus Sims 64, 74, 76, 77, 79, 80, 82, 84, 93, 95, 96, 97, 98, 109, 123
Costus 18, 21, 81
Couroupita guianensis 64
Crataeva nurvala Buch.-Ham. 2
Crataeva religiosa Forst. 5
Crocus sativus see SAFFRON
Crotalaria agathiflora Schwenf 39
Crotalaria albida Heyne ex Roth 60
Crotalaria anagyroides 31, 89
Crotalaria barbata R. 60
Crotalaria brevifolia 36, 39, 44, 52
Crotalaria burhia Buch.-Ham. 69
Crotalaria candicans 89, 94
Crotalaria grahamiana 42
Crotalaria incana Linn. 47
Crotalaria juncea Linn. 53
Crotalaria laburnifolia 39
Crotalaria leioloba Bartl. 64
Crotalaria leschenaultii 39
Crotalaria madurensis R. Wight 69, 117
Crotalaria medicaginea Lamk 47
Crotalaria mucronata 39
Crotalaria mysorensis Roth 41
Crotalaria nana Burm. 88
Crotalaria rubiginosa Willd. 35
Crotalaria stipularia Desv. 64
Crotalaria tetragona Roxb. 64
Crotalaria verrucosa 77
Crotalaria walkeri Arnott 77
Crotalaria spp. 34, 35, 36, 56, 58, 69, 70, 77, 92, 94, 108, 126
Croton sparsiflorus Morong 40, 42, 45, 50, 79, 101
Cryptocarya amygdalina Nees 92

Cucumis utilissimus Roxb. 1
Curculigo orchioides Gaertn. 18
Curcuma amada (*Amragandhi*) 46, 59
Curcuma longa Linn. 21, 30, 38, 46
Curcuma zedoaria 72
Cyathocline lyrata Cass. 111
Cyclea burmanni 13
Cyclea peltata Diels 16
Cymbidium giganteum 124
Cymbopogon flexuosus (Nees & Steud.) Wats. var. *sikkimensis* 73, 114, 125, 126, 128, 131
Cymbopogon khasianus 129
Cymbopogon martinii Stapf var. *motia* (PALMAROSA) 80, 86, 100, 102, 118
Cymbopogon nardus Rendle 4
Cymbopogon winterianus Jowitt (JAVA CITRONELLA) 72, 77, 91, 93, 94
Cymbopogon spp. 65
Cynoglossum glochidiatum 70
Cynoglossum lanceolatum 70
Cyperus rotundus 38
Cyperus scariosus 33, 43, 46

D

Daemia extensa R. Br. 16, 22
Daphne papyracea 92
Datisca cannabina Linn. 90
Datura innoxia Mill. 24, 47, 59, 63, 65, 80, 82, 83, 86, 87, 99, 110
Datura metel Linn. 46, 55, 59, 83, 110
Datura metel var. *fastusa* 59
Datura quercifolia 58, 72, 85, 93
Datura stramonium Linn. 55
Datura suaveolens 30
Datura spp. 35, 48, 52, 74, 94
Delphinium uncinatum Hook.f. & Thoms. 105
Dicentra macrocapnos Prain 80
DIGITALIS 39, 78, 82
Digitalis lanata 32, 49, 52, 103, 115
Dillenia indica Linn. 66, 94, 99
DIOSCOREA 14, 42, 47, 49, 54, 72, 74, 88, 89, 91, 97
Dioscorea composita Hemsl. 69, 73, 92, 110, 130
Dioscorea deltoidea Wall. ex Griseb 23, 24, 27, 28, 40, 54, 55, 59, 72, 80
Dioscorea floribunda Mart. & Gal. 67, 70.

COMMUNITY HEALTH CELL

326, V Main, I Block

Koramangala

Bangalore-560034

02264

DE 435-

87, 97, 99, 108, 109, 115, 117, 119, 124
126, 129, 130

Diospyros buxifolia 49

Diospyros ebenum 43

Diospyros ferra 49

Diospyros lotus 49

Diospyros montana Roxb. 120

Diospyros tomentosa 49

Diplazium esculentum (Retz.) Sq. ex
Schard. 100

Dipterocarpus pilosus 50

Discaria crenata 65

Dodonaea viscosa Linn. 109, 115, 120

Dolichos biflorus 126

Duabanga grandiflora (Roxb.) Walp. 129

Duabanga sonneratioides 56, 65

Dysoxylum binectariferum 77

E

EDIBLE FUNGI 112

Elsholtzia eriostachya Benth. 128

Embelia ribes Burm. f. 22, 127

Emblica officinalis Gaertn. 2, 10, 16

Enhydra fluctuans Lour. 46, 49, 52, 54, 62

Entada scandens Benth. 10

ERGOT 24, 40, 42, 49

Ervatamia coronaria Stapf 18, 28, 31

Erythrina indica Lour. 15

Erythrina variegata Linn.

var. *orientalis* (Linn.) Merrill 15

Erythrina sp. 95

Erythroxylon monogynum 30, 31, 33

Eucalyptus citriodora 54, 78

Eucalyptus sp. 83

Eugenia kurzii Duthie 114, 115

Eupatorium odoratum 10

Euphorbia acaulis Roxb. 5, 115, 116

Euphorbia dracunculoides Lam. 36

Euphorbia longana 51

Euphorbia maddenii 103

Euphorbia pulcherrima Willd. 81

Euphorbia wallichii Hook.f. 93

Evodia lunu-ankenda Merr. 124

F

FENUGREEK

see *Trigonella foenum-graecum*

Ferula jaeschkeana 126

Ficus glomerata Roxb. 16

Ficus tsiela Roxb.

(*Plaksha*) 64, 87

Ficus virens Ait. 98

Forrestia mollissima Bl. 111

Fritillaria imperialis Linn. 33, 35

G

Gaozaban 47, 52

Garcinia mangostana Linn. 99, 109, 130,
131

Garcinia xanthochymus Hook.f. 98, 100

Gardenia lucida 47

GERMAN CHAMOMILE 131

Geum elatum 120

Gloriosa superba Linn. 6, 8, 64, 81, 107

Glycosmis arborea (Roxb.) DC. 22, 25, 28,
31, 38, 39, 41, 90

Glycosmis mauritiana 98

Grewia asiatica 67

Grewia populifolia Vahl 17

Gul-e-gaozaban 41

Gutierrezia dracunculoides 102

Gymnosporia wallichiana 81

H

Hardwickia pinnata 31

Hedychium spicatum 70, 115

Hemedesmus indicus 60

HENNA 50

Heracleum candicans Wall. 22, 46, 69, 90,
108

Heracleum wallichii 72

Hesperethusa crenulata 51, 66, 106

Hibiscus cannabinus Linn. (KENAF) 130

Hibiscus rosa-sinensis Linn. 49

Holarrhena antidysenterica Wall. 14, 15,
114

Holoptelia integrifolia 43

Hydrocotyle podantha Molken 88

Hyoscyamus muticus Linn. 91

Hypericum mysorensense 116

I

INDIAN BLACK DAMMAR 33

INDIAN CALAMUS 13
 INDIAN KURCHI 103
 INDIAN LILAC 15
 INDIAN MEDICINAL & ALLIED PLANTS 20
 INDIAN WINTERGREEN 71
Indigofera tinctoria Linn. 90, 130
Inula racemosa Hook.f. 89, 113
Inula royleana 13
 IPECAC ROOTS 109
 IPECACUANHA 17
Ipomoea dichroa 123
Ipomoea hederacea (Linn.) Jacq. 16
Ipomoea leari Paxt. 60
Ipomoea paniculata 56

J

JAPANESE MINT 33, 73
Jatropha curcas 45, 123
 JAVA CITRONELLA 76, 100, 109
Jivanti 45
Justicia gendarussa Burm.f. 25, 41, 107

K

Kallstroemia pubescens 71, 81, 87, 91, 100, 102
Kalmegh 17
Kamraj 59
Kochia trichophylla 36
Kopsia sp. 37

L

Lappula glochidiata 89
Lasiosiphon eriocephalus 96, 101
 LEMONGRASS 37, 83, 99, 112, 116, 119, 122, 129, 131
Lepidium capitatum 121
Leptadenia reticulata Wight & Arn. 50
Leucas linifolia 129
Ligustrum neilgherrense Dalz. & Gibbs.
 var. *obovata* 91
Lilium wallichianum Schult. 105
Limonia acidissima 36
Linaria dalmatica 114
Lindelofia angustifolia 70
 LINSEED OIL 43
 LIQUORICE 42

Litsea citrata Blume 73
Litsea glutinosa 57
Litsea polyantha 118, 128
Litsea sebifera 57
Litsea wightiana 57, 113
Lochnera rosea (Linn.) Reichb. see
 Catharanthus roseus
Lonicera hypoleuca 124
Luffa amara 16
Luffa echinata var. *longistyla* 20
Luffa graveolens 22
Luffa sp. 20
Luzula plumosa 123
Lygodium flexuosum 128
Lyonia formosa 60

M

Macrophomina phaseolina 107
Madhuca butyracea 122
Madhuca indica 122
Maesa var. *angustifolia* 131
Maesa chisia 66
Mallotus philippensis Muell.-Arg. 3, 4, 5, 9
Malvaviscus conzatti 117
Mangifera indica Linn. 22
Manilkara hexandra (Roxb.) Dub. 82
Mappia foetida Miers. 58, 66
Marsilea minuta Linn. 67
Mehndi 51
Melaleuca leucodendron Linn. 11
Melaleuca sp. 11
Melia azedarach 4, 131
Melia indica 10, 46, 49
Melianthus major 71
Meliosma pungens 88
Melochia tomentosa 76
Melodinus monogynus Roxb. 5, 15
Memecylon umbellatum 84
Mentha arvensis 21, 23, 30, 33, 89
Mentha citrata Ehrl
 (BERGAMOT MINT) 67, 71, 121
Mentha piperita Linn.
 var. *vulgaris* Sole (BLACK PEPPERMINT)
 65, 73, 75, 88
Mentha spp. 67
Mesua ferrea Linn. 110
Micromelum pubescens Blume 67
Milletia pachycarpa Benth. 8, 10
Millingtonia hortensis Linn. 76
Mimusops elengi 38, 41

Mimusops hexandra 33, 35, 41
 Mimusops littoralis Kurz 72, 79
 Mimusops manilkara 43, 46
 Mimusops spp. 63
 Momordica charantia Linn. 11, 102
 Moringa oleifera Lamk 88, 106
 Morus alba 115
 Mucuna prurita Hook. 103
 Mundulea sericea 56
 Mundulea suberosa Benth. 10, 17, 24
 Murraya koenigii Spreng. 43, 46, 54, 58
 Murraya paniculata 73
 Musa paradisiaca 106, 113, 117
 Myrica esculenta Buch.-Ham. 27
 Myrtus communis Linn. 20
 Mytragyna parvifolia Korth. 40

N

Naravelia zeylanica 120
 Nardostachys jatamansi DC. 13, 21, 31, 34
 Neem 15, 21, 43
 Nelumbo nucifera Gaertn. 59
 Neonauclea gageana (King) Merrill 123
 Nerium indicum Mill.
 (syn. N. odorum Soland.) 47
 Nicotiana plumbaginifolia 64
 Nishoth 39
 NUXVOMICA 47, 89

O

Ocimum basilicum 49, 77, 130
 Ocimum gratissimum Linn. 118, 122, 128
 Ocimum sp. 75, 110
 Onosma echioides Linn. 20
 Ophiorrhiza mungos Linn. 15
 OPIUM see Papaver somniferum
 Origanum majorana Linn. 129
 Ougeinia dalbergioides Benth. 34

P

Paederia foetida Linn. 50
 Paederia spp. 51
 PALMAROSA 104, 128
 Panax ginseng 104
 Papaver somniferum Linn.
 (POPPY) 21, 46, 63, 68, 92, 102, 114, 129

Paris polyphylla Smith 36
 Parkinsonia aculeata Linn. 88
 Parnassia nubicola Wall. ex Royle 67
 Pashanbhed 52, 73
 Paspalum scrobiculatum 44, 56
 Pentapanax parasiticum 119
 Pereskia grandifolia 64
 Peristrophe bicalyculata 15
 Physalis francheti 64
 Physochlaina praealta (Don) Miers 28
 Picrorhiza kurroa Benth. 8, 16, 17, 56
 Pimpinella anisum 52, 61
 Piper cubeba Linn. 5
 Piper hookeri 43
 Piper longum Linn. 27, 35, 38, 92
 Piper nigrum Linn. 25, 89
 Piper officinarum 72, 73, 80
 Piper peepuloides Roxb. 38, 40, 47, 58, 86, 93
 Piper trichostachyon 43, 73
 Piper spp. 66, 85, 127
 Pittosporum nilgherense W. & A. 97
 Plantago ovata Forsk. 8, 9, 10, 37, 53
 Plumeria rubra 55
 Podocarpus nubigena 58
 Pogostemon parviflorus 125
 Polemonium coeruleum Linn. 104
 Polygonatum verticillatum 44
 Polygonum recumbens 49
 Pongamia glabra Vent. 113
 Populus deltoides 121
 Prangos pabularia Lindl. 24
 Psoralea corylifolia Linn. (*Babchi*) 10, 13, 20, 24, 40, 59, 84, 86, 89, 96
 PTERIDOPHYTIC FLORA 116
 Pteris wallichiana 76
 Pueraria tuberosa DC. 43, 120, 125
 Putranjiva roxburghii 40
 Pygeum acuminatum Colebr. 79, 96
 PYRETHRUM 8, 43, 52, 62, 82, 99, 115
 Pyrus pashia 49

Q

Quercus lanceaefolia 51

R

Randia dumetorum 36
 Ranunculus adoxifolium 120

Ratan-Jot 34
Rauvolfia caffra Sond. 57
Rauvolfia canescens Linn. 7, 9, 10, 15
Rauvolfia densiflora Benth. 23
Rauvolfia serpentina Benth. 5, 7, 8, 9, 10, 12, 14, 17, 20, 24, 25, 26, 28, 31, 34, 35, 38, 41, 45, 47, 64, 68, 74, 82, 109
Rauvolfia sp. 18, 21, 28, 51, 74
Rhamnus nepalensis 94
Rhazya stricta 114
Rheum webbianum 113
Rhododendron niveum 56
Rhus parviflora 49
Rhynchosia suaveolens 119
Ricinus communis Linn. 11
Rivea cuneata Wight 3
ROSES 130, 132
Rosmarinus officinalis Linn. var. *genuina* forma *erectus* 129
Roylea calycina (Roxb.) Briq. 92
Rubia cordifolia 126
Rudanti 22
Rudbeckia bicolor Nutt. 92
Rumex maritimus Linn. 71

S

SAFFRON (*Crocus sativus*) 14, 106, 126
Sagittaria sagittifolia 56, 70
Salai guggal see *Commiphora*
Salmalia malabarica DC. 12
Salvia spp. 109
Sapindus trifoliatus Linn. 5
Saussurea lappa Clarke 1, 38, 40, 41
Schefflera capitata 80, 107
Schima wallichii 85, 96
Scindapsus officinalis Schott 15
Scoparia dulcis 97
Semecarpus anacardium 118
Senecio tenuifolius 106
SENNA 80
Sesbania aegyptiaca 106
Seseli indicum 38
Seseli sibiricum Benth. 28
Silybum marianum 107, 110
Sirish 58
SISAL 100
Sisymbrium irio Linn. 35
Skimmia laureola 89
Solanum aculeatissimum Jacq. 27
Solanum aethiopicum 62

Solanum aviculare 25, 27, 34, 77
Solanum capsicastrum 131
Solanum elaeagnifolium Cav. 59
Solanum giganteum 81, 87, 118
Solanum hispidum 85, 90, 96, 102, 107, 113
Solanum incanum Linn. 39
Solanum indicum Linn. 39
Solanum khasianum 35, 41, 45, 49, 53, 54, 56, 63, 64, 66, 67, 72, 73, 74, 80, 81, 83, 85, 87, 88, 91, 92, 97, 106, 108, 114, 119, 122, 123
Solanum laciniatum 'Ait. 52, 54, 60, 71
Solanum lycopersicum 34
Solanum mammosum Linn. 76, 77, 83, 122
Solanum melongena 64
Solanum pseudocapsicum 118
Solanum seforthianum 78, 84
Solanum torvum 70
Solanum viarum 103, 121, 124, 126, 129
Solanum sp. 14, 27, 37, 68, 96
SOMA 36, 47
Sonneratia acida Linn. 1
Spinacea oleracea Linn. 87
Spondias pinnata 77
Stephania glabra Miers 1, 3, 106, 113
Sterculia foetida Linn. 6, 12
Streblus asper Lour. 28
Strychnos nux-vomica 44, 57, 61, 65, 75
Strychnos potatorum 68
Sugandha-bala 36
Sugandh-kokila 32
Sugandh-mantri 39
Swertia decussata 4

Trichosanthes dioica Roxb. 4
Tabernaemontana divaricata 59, 98
Tagetes minuta Linn. 77
Taxus baccata 56
TEA 45, 55
Tephrosia purpurea Pers. 68, 86
Terminalia arjuna 109
Terminalia chebula Retz. 18
Tetrastigma indicum M. Maulik 111
Thalictrum foliolosum 110
Thevetia nerifolia Juss. 18, 22, 27, 63
Thevetia peruviana 52
Tiliacora racemosa Colebr. 99
Tithonia diversifolia (Hemsl.) A. Gray 113

Tithonia tagitiflora Desf. 75, 81, 82
Toddalia asiatica Lamk 94, 99, 103, 110
Tribulus terrestris 87, 97
Trichosanthes palmata 113
Trigonella foenum-graecum Linn. 79, 123, 129
Trillium govanianum Wall. 29
Tukhm-e-gaozaban 41
Tylophora hirsuta 122
Tylophora indica (Burm.f.) Merr. 64
Tylophora sp. 122

V

Vacha 53
Vallaris solanacea 20, 22, 25, 36
Varun 51
Vasaka 114, 119
Vernonia cinerea Less. (*Sahdevi*) 45
Viburnum erubescens 62
Vicoa vestita 121, 125
Vinca elegantissima Hort. 55, 66, 71
Vinca rosea Linn. see *Catharanthus roseus*
Viola odorata Linn. 34

Vitex negundo Linn. 16, 113, 116, 117
Vitex peduncularis Wall. 8, 121
Vittadinia australis A. Rich. 69, 81

W

Wikstroemia viridiflora 77, 83
Wintergreen 31
Withania somnifera Dunal
 (*Ashwagandha*) 19, 45, 66
Woodfordia fruticosa Kurz 104

X

Xanthium strumarium Linn. 18, 20

Z

Zarnab 111
Zingiber zerumbet Smith 9
Zizyphus nummularia 115
Zizyphus rugosa Linn. 56

